NORTH CAROLINA.—The Enterprise Railway & Lumber Co. has been granted a charter in this state for the construction of a 40-mile railway from the mouth of Rockfish Creek to a point near Southern Pines, N. C.; capital stock, $200,000. The incorporators are: W. G. Cook, J. C. Upchurch, H. M. Shearin, Alex. Sessoms, H. L. Thurston and D. R. Campbell.

OHIO RIVER, FRANKFORT & WESTERN.—This company has been incorporated in Kentucky by Albert Boone to build a railway from Dover via Cynthiana and Frankfort, Ky., to the Tennessee line, near Jellico; capital stock, $100,000.

PRESTON.—Rollin P. Crellin, White Haven, Pa., informs us that the surveys for the projected line of the Preston Lumber Co. are about three-quarters completed and that all the capital has been secured. When completed the road will extend from Hutton, on the Baltimore & Ohio R. R., to Aurora, W. Va., a distance of 12 miles. No contracts will be let.

ST. LOUIS & SAN FRANCISCO.—Surveys are being made for a line from Bolivar to Osceola, Mo., to connect with the Kansas City, Osceola & Southern. B. F. Yoakum, Vice-Pres. & Gen. Mgr., St. Louis, Mo.; John I. Blair, Vice-Pres., K. C., O & S. Ry., Kansas City, Mo.

SALT LAKE & MERCUR.—Reports from Utah state that this company intends to extend its line. At the next meeting of the board of directors the advisability of putting the line through Lewiston Canyon and around to the West Dip, etc., will be discussed. J. G. Jacobs, Vice-Pres. and Gen. Mgr., Salt Lake City, Utah.

SANTA FE & GRAND CANYON.—This company has recently been incorporated with a capital stock of $1,000,000, with $100,000 paid in. It is proposed to construct a railway from Williams, Ariz., on the Atlantic & Pacific R. R., which will extend north about 72 miles; the Grand Canyon will be tapped at the head of Bright Angel trail. About 50 miles from Williams are rich deposits of copper and asbestos and some gold. The company will sink mines and put in the latest machinery for taking out the ore, which will be transported over the new road to Williams, where big smelters are to be erected. Lombard, Goode & Co., Chicago, are behind the enterprise; William O'Neill, Mayor, Prescott, is also interested.

SHREVEPORT & RED RIVER VALLEY.—Reports state that this company has been incorporated to build a line from Shreveport south along the Red River Valley to Coushatta, La., about 50 miles. Among those interested are William Boenborn, President White Cliff Cement Co., Chicago, Ill.; George W Fouke, Texarkana, Ark., and W. C. Taylor, Shreveport, La. The headquarters of the company are at Shreveport.

SMITH FERRY.—This company was recently incorporated in Pennsylvania to construct a line three-quarters of a mile long in Beaver county; capital stock, $2,000.

WEST VIRGINIA, OHIO & WESTERN.—Bids are asked until Aug. 17 for the construction of this projected railway in West Virginia. The officers are: Pres., Marcus Pollasky, Chicago, Ill.; Vice-Pres., Camden Sommers, Clarksburg, W. Va; Treas., Wm. H Llewellyn, New York, N. Y.; Secy., George A. Royce, Chicago, Ill.

STREET AND ELECTRIC RAILWAYS.

LEXINGTON, MASS.—A company has been organized in this city, with capital stock of $150,000, to build a 15-mile electric road to North Lexington and Woburn. A charter will be asked for in a few days.

LOWELL, MASS.—The Lowell & Suburban St. Ry. Co. has completed surveys for its electric road in this city and the capital has been secured. Pres., E. M. Tucker; Mgr., P. F. Sullivan.

MILLBURY, MASS.—The Worcester & Blackstone Valley St. R. R. Co. has petitioned the board of selectmen for permission to connect their line at Main and Elm Sts. with that of the Worcester & Suburban road. Pres., M. J. Whittall; Treas., Alfred Thomas.

WEBSTER, MASS.—It is proposed to form a company to build a street railway in this town, according to report. John Flint, of the board of trade, may be addressed.

WEST NEWBURY, MASS.—A special meeting was held in this place recently to consider taking steps toward revoking the rights of the People's St. Ry. Co. It was voted to direct the selectmen to secure $10,000 bonds from the Lowell, Lawrence & Haverhill St. Ry. Co., and the Newburyport & Amesbury R. R. Co., that they will complete the road in this place within 60 days from Aug. 1. Fred. S. Carr, ex-Pres. People's St. Ry. Co., offered the above resolution.

WORCESTER, MASS.—The Worcester & Suburban St. Ry. has been completed and will soon be out in operation. Asst. Supt., Frank Sweeney.——The Clinton & Worcester Electric R. R. Co. has secured a franchise to extend its line from this city northeast to Clinton, via Shrewsbury. Chas. E. Dresser and A. S. Paton are interested.

NORWALK, CONN.—The Westport & Saugatuck St. Ry. Co. has petitioned the council for permission to extend its road through East Wall St., Mill Hill and Morgan Ave. Pres., A. S. Hoyt.

AUBURN, N. Y.—The Auburn Inter-Urban Ry. Co. has asked the council to strike out Sec. 6 of its franchise, which provides that the company must operate the lines through Skaneateles, Port Byron, Mentz, Troop, Sennett and Fleming, before it can operate its lines in this city, "as it is impossible to finance the company" otherwise. Wilson H. Pixley, Akron, O., is one of the promoters.

BUFFALO, N. Y.—Application has been made for a franchise for an electric railway on Grand Island, in the Niagara River.——The Buffalo Traction Co. has been given permission to lay its tracks in South Division St.

BROOKLYN, N. Y.—An injunction has been granted to P. H. Flynn, restraining the Coney Island & Brooklyn R. R. Co. and the Brooklyn City & Newtown R. R. Co. from consolidating their roads as reported last issue.——The Nassau Electric R. R. Co. has built its line on Surf Ave., Coney Island, and the injunction to restrain them, asked for by Geo. C. Tilyou, has been refused.

GLOVERSVILLE, N. Y.—Alfred Keith, Old Town, Me., has been awarded the contract for grading the proposed electric road between this city and Mountain Lake.

GRANITEVILLE, (S. I.), N. Y.—The extension to this place of the Staten Island Electric Ry. will be begun in a few days, as the rails and ties have been received. Engr. de Trenaelies may be addressed.

NEW YORK, N. Y.—Gen. C. H. T. Collis, Comr. Pub. Wks., has granted a permit to the Metropolitan St. Ry. Co. to change the motive power of the Fourth Ave. surface road from horse to electricity, from Centre St. to the end of the line in Harlem. Work on the Madison Ave. line was begun Aug. 2. On Aug. 4 Gen. Collis gave a permit to the same company to change the motive power to electricity on the 23d St. and 49th St. crosstown lines.

SYRACUSE, N. Y.—An extension franchise has been granted to the Rapid Transit Co., which provides among other things that after Jan. 1, 1900, the company shall pay into the city treasury ¼ mill for each fare collected.

ENGLEWOOD, N. J.—The officials of the Northern R. R. of N. J., a part of the Erie Ry. system, refuse to allow the Bergen County Traction Co. to extend its line across their tracks in the lower end of the town.

GARFIELD, N. J.—The Sadde River township committee has been asked for a franchise to run an electric road from the Garfield bridge to the borough of Lodi.

NEW BRUNSWICK, N. J.—The Brunswick Traction Co. has been granted a franchise to lay its track over the Albany St. bridge across the Raritan River, to Highland Park. The Piscataway township council has granted the same company a franchise through the township to the borough of Bound Brook.

WOODBRIDGE, N. J.—The Union Traction Co. has opened its line to this place.

BUTLER, PA.—The Butler Traction Co. has applied for a right of way over certain streets in this town for a street railway. H. W. Bover may be addressed.

COLLEGEVILLE, PA.—The Collegeville Electric St. Ry. Co. has been incorporated with $7,000 capital stock, to build a line 1⅞ miles long in this town. It is expected that when finished it will be sold or leased to the Schuylkill Valley Traction Co.

CONNELLSVILLE, PA.—It is proposed to build a road to Vanderbilt and Uniontown from this place as an extension of the Connellsville, New Haven & Leisenring Passenger Ry.

DOYLESTOWN, PA.—It is reported that the Union Traction Co., of Philadelphia, will build a line to this place and Willow Grove.

GREENSBURG, PA.—The Greensburg & Mount Pleasant Electric St. Ry. Co. has been chartered to build a line nine miles long, connecting the towns of Greensburg, Hempfield, Fosterville, Youngwood and Mt. Pleasant. Capital stock, $75,000. Pres., W. F. Sadler, Carlisle.

MONTOURSVILLE, PA.—The Tennis Construction Co. has been awarded the contract for building the Montoursville Passenger Ry. which will run from this place to Williamsport, about five miles. Pres., E. A. Tennis; Supt. Ry. Co., J. W. Cramp.

PHILADELPHIA, PA.—The Philadelphia & Merion Ry. Co., which was recently incorporated to build and operate an electric road on the Philadelphia, Bala and Bryn Mawr turnpike from Jefferson St. to Overbrook Ave., in the 34th Ward, has filed a petition asking that a jury of five be appointed to assess damages for the occupation of the property of the turnpike company, with which the railroad company has as yet been unable to make an agreement.

POTTSTOWN, PA.—Plans are about completed for the extension of the Ringing Rocks Electric Ry. to New Hanover; it is intended to extend it eventually to Boyertown.

SCHUYLKILL HAVEN, PA.—It is expected that the extension of the electric road to this place will be finished about Sept. 15.

WEST CHESTER, PA.—It is expected that the extension of the Philadelphia & West Chester Electric R. R., from Newtown Sq. to West Chester, will be finished this fall. The company now operates 12¼ miles of road laid with 60-lb. rails. Pres., John N. M. Shimer.

YOUGHIOGHENY, PA.—The city council of Versailles has granted permission through the borough to the Youghiogheny Valley Ry. Co.

WILMINGTON, DEL.—The Wilmington & Brandywine Springs Electric Ry. Co. has asked the street and sewer department to allow its line to enter the city by Sixth St. and Greenhill Ave. to Fourth and French Sts. The contract for constructing the road has been awarded to Vandegrift & Jacobs, Philadelphia, Pa. After the construction of the road between this city and Brandywine Springs is completed, it is proposed to extend the line to Kennett Square, Pa. Gen. Mgr., Richard D. Crooks.

WASHINGTON, D. C.—The extension of the Brightwood Ry. from Silver Spring to Forest Glen, Md., is nearly completed. It is said that the company proposes a further extension from Forest Glen through Kensington to Rockville, Md. a total of about 11 miles. The company now operates 5½ miles of road between Washington and Silver Spring.

STAUNTON, VA.—A press report states that the city council is considering a petition to allow the city to vote on a proposition to subscribe $50,000 towards a proposed electric railway from this city to Waynesboro in the Shenandoah Valley, near Basic City, a distance of 12 miles.

CHARLESTON, S. C.—It is reported that the City R. R. Co. has determined to extend its line from Rutledge Ave. to the new bridge in the suburbs.

MERIDIAN, MISS.—The Meridian St. Ry. Co. has completed surveys for its line and will begin construction at once. Col. Street may be addressed.

CHATTANOOGA, TENN.—Pres. Warner, of the Chattanooga Electric Ry. Co. has ordered the Alton Park line to be rebuilt for the entire length of Cowart St., at a cost of $1,000.

KNOXVILLE, TENN.—A contract has been awarded to H. B. Krotter for the first mile of the extension of the Knoxville St. R. R. to Galesburg.

BOWLING GREEN, O.—The Bowling Green, Weston & Napoleon Electric Ry. & Power Co. will build a road between this city and Napoleon. Zeph. Waltz is interested.

CLEVELAND, O.—The work of the Lorain & Cleveland Electric R. R. has been completed and it is expected that the line will be in operation some time during September. The road extends from Cleveland to Lorain, about 25 miles, passing through Rocky River.——The Cleveland, Painesville & Eastern R. R. Co. has obtained entire right of way for its proposed extension from St. Clair St. to Collinwood; a distance of two miles.

MIDDLETOWN, O.—It is proposed to build a belt line of electric railway about this city and down the Miami Valley. The M. & M. St. Ry. Co. may be addressed.

NAPOLEON, O.—The Napoleon & Terrace Park R. R. Co. has been incorporated with $10,000 capital stock to construct and operate an electric railway between this city and Terrace Park.

OBERLIN, O.—The council has granted a new franchise to the Elyria & Oberlin Electric Ry. Co. because it was feared the company would be restrained from laying tracks on East College St. by an injunction.

READING, O.—An effort is being made in this place to secure the extension of the electric railway into the town from Cincinnati. Lockland, a neighboring town, is also making a similar effort. Supt. Bradford may be addressed.

MARION, IND.—The contract for the construction of the Indianapolis, Anderson & Marion Electric R. R. has been let to L. N. Downs, of New York, and associates. Pres., Noah Clodfelter.

RICHMOND, IND.—Construction has begun on a co-operative electric railway between this place and Muncie. The Supt. may be addressed.

WATERLOO, IND.—The right of way has been granted to the Waterloo, Auburn & Garrett Electric R. R.

EAST ST. LOUIS, ILL.—The city council has granted a franchise to the East St. Louis Electric R. R. Co. Pres., J. S. Walsh.

MENASHA, WIS.—Work has been begun on the Interurban R. R., which will run from this place to Waverly Beach and Brighton Beach.

MILWAUKEE, WIS.—The Milwaukee Traction Co. has been incorporated with $2,500,000 capital stock to build and operate an electric road in this city.——The Milwaukee Electric Ry. & Light Co. is reported to have bought the line to Waukesha Beach for $65,000, and will include it in the system that is to extend from this city to the Waukesha county lakes. Vice-Pres., Henry C. Payne.

WHITEFISH BAY, WIS.—The village board has granted a franchise for an electric railway through this place to C. R. Gether, and has decided to postpone action indefinitely upon the application from the Milwaukee Electric Ry. & Light Co. for a similar franchise.

MANKATO, MINN.—Bankson Taylor, of St. Paul, is interested in a proposed electric street railway in this city.

LEAVENWORTH, KAN.—The board of county commissioners has granted a franchise to the Winner Co. for an electric railway from this city to Lansing, work to be completed within six months.

KANSAS CITY, KAN.—The Leavenworth Electric Ry. Co. has been granted permission to enter the Soldiers' Home grounds with their line. Mgr., Col. Sidney Cook.

ST. LOUIS, MO.—The Missouri R. R. Co. will consider at their next meeting the question of converting the Olive St. cable line into an electric road.——An ordinance has passed the council authorizing the Meramec River R. R. Co. to extend its tracks and to construct, maintain and operate a double track electric railway along and across certain streets of this city.

COLORADO SPRINGS, COLO.—Wallace H. Hooke, the promoter of the proposed electric railway in this city, says that the road will surely be built and that he hopes to get an extension of the time limit of the franchise from the council.

SALINAS, CAL.—The 50-year franchise for which bids were received by the city council until July 28, as announced in our issue of July 8, has been awarded to the Salinas Ry. Co.

SAN PEDRO, CAL.—A survey is being made for an electric railway from Los Angeles to this place. Wm. H. Perry, Los Angeles, may be addressed.

SANTA ANA, CAL.—The Santa Ana & Newport Ry. Co. has been incorporated with capital stock of $500,000. Directors: Jos. McFadden, R. McFadden, M. M. Crookshank, W. H. Spurgeon and E. M. Smiley.

FLAGSTAFF, ARIZ.—Lombard, Goode & Co., Chicago, Ill., are the backers of a proposed line of electric railway from this place to Williams. The road will be known as the Santa Fe & Grand Canyon Ry. Treas., Chas. E. Potter.

PROVO, UTAH.—An electric railway is projected at this place, to run to the lake. S. J. Kenyon and Wilson Dusenberry are interested.

SHERBROOKE, QUE.—The contracts for the motors and generators for the proposed street railway in this town have been awarded to the Canadian General Electric Co.; for the closed cars to Rhodes, Curry & Co., Amherst, N. S., and for open cars to Ahearn & Soper, Ottawa, Ont. Loomis & Sons have secured the contract for the mason work of the new power house.

TORONTO, ONT.—The Toronto St. Ry. Co., has asked the York township council for permission to construct an extension of its line to the cemeteries by way of College Ave. Road and Clinton St.

ELECTRIC LIGHT AND POWER.

MANSFIELD, MASS.—The Hudson Machine & Construction Co., of Hudson, N. H., with a Boston office at 40 State St., has secured the charter for an electric lighting plant at this place and Foxboro. Compound condensing engines and 400-HP. of boilers will be used. The generators will have a capacity of 5,000 lights.

SPRINGFIELD, MASS.—It is reported that work on the underground system for the city's wires is progressing rapidly and that inside of six weeks the change from overhead to underground will be complete.

ZYLONITE, MASS.—The Hoosac Valley Street Ry. Co., is making extensive repairs to its plant at this place. It is expected to erect another engine and two generators.

WOONSOCKET, R. I.—The city council has contracted for 115 arc lights for three years with the Woonsocket Electric Machine & Power Co.

NIAGARA FALLS, N. Y.—It is said that the aldermen will soon advertise for bids for a 5-year contract to light this city, beginning Nov. 1, 1898; 300 arc lights of 2,000 c. p. are called for.——The Niagara Falls Hydraulic Power & Mfg. Co., awarded Aug. 6, the following contracts: The Variety Iron Co., Cleveland, O., structural work; R. D. Wood & Co., Philadelphia, Pa., all valves; Struthers, Wells & Co., Warren, Pa., the 13-ft. penstock, which, it is said, will weigh 300 tons.

PROSPECT, N. Y.—It is reported that the Stillwell-Bierce & Smith Vaile Co., will soon begin work on a power transmission plant at this place. R. N. King, president of the company, is reported as stating that 5,000-HP. could be obtained and that about three months would be required to install the plant.

WADDINGTON, N. Y.—It is reported that a lighting plant will be installed in the near future. Generators, poles, wires, etc., will be required.

MADISON, N. J.—At the last council meeting it was decided to ask for plans and specifications for a complete electric lighting plant containing two 150-HP. boilers and other machinery in proportion.

CAPE MAY, N. J.—The Franklin Electric Co. has been granted a 5-year contract to light the city at 35 cts. a light for all-night lights.

MULLICA HILL, N. J.—It is reported that citizens are considering the feasibility of electric lights for this place.

SHIPPENSBURG, PA.—The result of a vote taken here to determine upon a $10,000 electric light loan was decided in the negative.

CUMBERLAND, MD.—This city will, according to local reports, erect a $19,000 electric light plant.

RICHMOND, VA.—It is reported that Capt. Andrew Pizzini and Chas. V. Williams are pushing a scheme to utilize the power of the James River between Richmond and Manchester for manufacturing and transmission purposes.

CATAWBA FALLS, S. C.—It is stated that plans are on foot to develop the exceptional water power found here. It is expected to build a canal which will supply power directly to mills and an electric transmission plant.

CAVE SPRINGS, GA.—The Georgia School for Deaf will have a steam heating and an electric light plant. Bids were asked until Aug. 9. W. O. Conner, Prin.

OCALA, FLA.—It is expected that at the next council meeting steps will be taken to establish a city lighting plant.

ST. AUGUSTINE, FLA.—It is reported that W. A. MacWilliams and others desire to install an electric light plant and have asked the city for a franchise.

BREWTON, ALA.—This city will construct an electric light plant at once. Bids for the work were opened Aug. 10.

DONALDSONVILLE, LA.—It has been decided to install a $12,000 electric light plant. The matter is in the hands of John S. Thibaut.

FRANKLIN, LA.—It is reported that an electric light plant will be built here in the near future.

HOLLY SPRINGS, MISS.—The citizens of this place are reported as more than likely to vote to have an electric light plant.

WALDWICK, N. J.—The Bergen county board of freeholders has awarded the contract for constructing a 32-ft. Melan arch bridge, 24 ft. wide, to White & Carlough, Waldwick, N. J., at $1,550. The same firm is about completing a 30-ft. Melan bridge, 26 ft. wide, at Ridgewood, N. J.

CAREY, O.—The $10,000 issue of 6% electric light bonds was awarded to W. J. Hayes & Sons, Cleveland, O., at $11,026.

ELMORE, O.—J. C. Cunn, Clk., writes us that an election will be held Aug. 16 to vote on an issue of $10,000 in bonds for an electric light plant.

MARIETTA, O.—Bids are asked until Aug. 23 for the purchase of $15,000 of electric light bonds. Carl Becker, City Clk.

MONROEVILLE, O.—It is understood that an election will be held Aug. 17 to vote upon the question of a $26,500 electric light bond issue.

PERRYSBURG, O.—T. M. Franey, Clk., informs us that bids for electric lighting were opened July 31. The lowest was $7,500 a year for 28 all-night 2,000-c. p. arc lamps. The council has all bids under consideration.

RICHWOOD, O.—It is reported that Miller & Horn, of Rushsylvania were awarded the contract to install a $15,000 plant and operate 29 arc lights at $52 each a year.

SALINEVILLE, O.—It is reported that bids will soon be asked for lighting this place by electricity.

PEORIA, ILL.—Frank Thorne has been engaged to prepare plans for an electric light plant. Bids will be asked as soon as the plans are completed.

OSHKOSH, WIS.—It is reported that an electric lighting plant will be placed in the Northern Hospital at this place.

DEADWOOD, S. DAK.—George E. Brettell, Supt. of the Rochester Greenback Mining Co., is reported as the leading spirit in a scheme to utilize the water power of Spearfish Creek. The plans, as suggested, embody two large electrical plants of a combined capacity of 1,200 HP.

BUTTE CITY, MONT. — The project of utilizing the power of Big Hole River for power purposes is again under consideration. It is estimated that the expense would be between $500,000 and $1,000,000. It is stated that J. T. Fanning, C. E., Minneapolis, is interested.

ST. LOUIS, MO.—It is reported that the board of public improvements will again advertise for bids for city lighting. It is the intention to ask for bids for lighting by electricity, by gas, for building an electric light plant or for building a gas plant.

LEADVILLE, COLO.—The prospects for an electric light plant at this place are reported as excellent.

PUEBLO, COLO.—Bids are asked until Aug. 25 for electric light wiring and conduit work in the new U. S. public building in this city. O. L. Spaulding, Asst. Secy., Treasury Dept., Washington, D. C.

GRANT PASS, ORE.—The Grant Pass Water, Light & Power Co. will replace its plant which was destroyed by fire. The value is estimated at about $15,000.

REDLANDS, CAL.—The Southern California Power Co. has decided to issue $500,000 of 6%, 30-year bonds. This issue was considered necessary to develop the company's plans.

BRIDGES.

WORCESTER, MASS.—Reports state that the following bids were received July 28 for constructing a stone bridge at the lake:

Webb Granite & Construction Co. (accepted)	$64,500
J. W. Bishop & Co.	68,114
Norcross Bros.	75,000
Cutting, Bardwell & Co.	133,000

BRIDGEPORT, CONN.—Local papers state that the proposed $72,000 draw-bridge to be built at this place will be 540 ft. long, having a 200-ft. draw span and a 48-ft. roadway. H. G. Scofield, Cy. Engr.

KILLINGLY, CONN.—We are informed that the following bids were received Aug. 7 for constructing three stone arch bridges, as advertised in Engineering News: John A. Gilbert, Danielson, Conn., $8,480 (accepted); Keystone Construction Co., Easton, Pa., $9,056. A bid of $6,000 for constructing one of the bridges was received from J. W. Boswell.

MERIDEN, CONN.—The Berlin Iron Bridge Co., East Berlin, Conn., has been awarded the contract for constructing an iron bridge over the brook on Southington road.

ALBANY, N. Y.—The Hilton Bridge Co., Albany, N. Y., has been awarded, at $14,700, the contract for constructing the superstructure for the Knox St. viaduct; Whelan & Higgins, Whitehall, N. Y., the masonry work, at $11,110, and the paving of the structure and approaches to T. Henry Dumary, at $6,636.

HERKIMER, N. Y.—The Canton Bridge Co., Canton, O., is said to have been awarded, at $5,360, the contract for constructing the proposed iron bridge over West Canada Creek, on the Little Falls road.

LONG ISLAND CITY (L. I.), N. Y.—The contract for building a new abutment for the Blissville bridge, awarded by the committee to P. J. Mara, of Brooklyn, at $20,800, and which had been approved by the board of aldermen and the mayor of Brooklyn, has also been approved by the board of supervisors of Queens county. The counsel of the board was directed to confer with the corporation counsel of Brooklyn in drawing up the contract.

MOUNT MORRIS, N. Y.—The contract for constructing the proposed new iron bridge over the Genesee River between this place and Leicester has been awarded to the Owego Bridge Co., Owego, N. Y., at $24,500.

NEW YORK, N. Y.—The new board of directors of the New York & New Jersey Bridge Co., of New Jersey, met at the office of the New York company, No. 214 Broadway, Aug. 10, and organized by electing the following officials; Pres., Everett M. Culver; Vice-Pres., George T. Werts; Treas., Thomas H. Bauchle, and Secy., George Magoun. The presidents and treasurers of both companies were appointed a committee to arrange for the formation of the syndicate who are to have charge of the sale of the bonds. Secy. Charles H. Swan, of the New York company, at the close of the meeting, said: "The two companies will be brought under one head by the merging or leasing of one to the other. The syndicate for the placing of bonds will be formed without delay. The modified plans called for by the War Department will be completed by Sept. 1, and will then be filed with the Secretary of War. The officials will lose no time in pushing forward all the details necessary for the commencement of the work."

HACKENSACK, N. J.—Reports state that plans are to be prepared for the proposed $25,000 bridge to be built at this place. Freeholder James A. Anderson, Englewood, is interested.

PATERSON, N. J.—Bids are asked until Aug. 31 for the purchase of $64,000 in 5% bonds, the proceeds to be used in rebuilding West Street bridge. John Blauvelt, Chn. Bd. Freeholders; Arthur B. Pearce, Clk.

RIVERTON, N. J.—Reports state that a new iron bridge is to be built over Pompestan Creek in this town. Freeholder Frank P. Jones may be addressed.

CHESTER, PA.—The county commissioners have awarded the contract for rebuilding the bridge over Naylor's Run to R. J. Johnson at $990. Thirteen bids, ranging from $2,395 to the above, were received.

READING, PA.—The Groton Bridge & Mfg. Co., Groton, N. Y., has been awarded at $359 and $508, the contracts for constructing a 50-ft. iron bridge at Lobachsville, and a 60-ft. structure at Shultzville.

SCRANTON, PA.—Petitions are being circulated, according to reports, asking for the construction of a new bridge at Church and Canaan Sts.

TOWANDA, PA.—Local papers state that the county commissioners have awarded the contract for constructing the proposed bridge at Franklindale to the Pittsburg Bridge Co., Pittsburg, Pa., at $2,478.

WASHINGTON, D. C.—The superintendent of bridges in his annual report just submitted recommends that K St. bridge over Rock Creek be reconstructed, at an estimated cost of $20,000; that the Navy Yard bridge over the eastern branch be reconstructed, at an estimated cost of $250,000; that M St. bridge over Rock Creek be reconstructed, with a paved floor system, at an estimated cost of $30,000.——The chief of engineers has recommended the approval by the War Department of applications for permission to erect a bridge across Lake Champlain by the Central Vermont R. R. Co., and across the St. Lawrence River, between Cornwall and Hogansport, N. Y. J. O. Olmstead, Supt. Bridges, St. Albans, Vt.

BELLAIRE, O.—Bids are asked, according to reports, for constructing the proposed toll bridge between this place and Benwood, W. Va. The bridge is to be about 525 ft. long and will cost about $500,000.

CINCINNATI, O.—Bids are asked until Aug. 21 for constructing an iron truss bridge over the west branch of Mill Creek in Springfield township. Fred. Bader, Pres. Bd. County Commissioners.

CIRCLEVILLE, O.—Reports state that the bridge over the Scioto River near this city, belonging to the Cincinnati & Muskingum Valley R. R. Co., was destroyed by fire July 30; estimated loss $50,000. C. E. Riley, Supervisor.

CLEVELAND, O.—Bids are asked until Aug. 18 for furnishing labor, materials and supplies, and for constructing stone masonry for bridges in sections 11, 12 and 13 of Shaker Heights Park. G. W. Pratt, Jr., Ch. Engr. Park Comrs., 185 Euclid Ave.

YOUNGSTOWN, O.—Bids are asked until Aug. 24 for constructing the substructure for the proposed bridge over the Mahoning River at Market St. C. F. Brenner, County Audr.

BEAVER CITY, NEB.—Reports state that the following bids have been received for constructing three county bridges: J. E. Axtell, County Clk.: Missouri Valley Bridge Co., Leavenworth, Kan., $3,450; Youngstown Bridge Co., Youngstown, O., $3,341; D. S. Hasty, Arapahoe, Neb., $1,950 and $1,200; Klepper & McGaw, Wilsonville, Neb., $3,073, $960 and $1,743; Wrought Iron Bridge Co., Canton, O., $2,675, $775 and $1,296 (accepted).

KANSAS CITY, MO.—Plans are being prepared, according to reports, for remodeling the bridge over the Belt Line tracks at Grand Ave.; estimated cost, $2,500. Henry A. Wise, Cy. Engr.

ST. LOUIS, MO.—The board of public improvements is considering plans for the proposed concrete bridge which is to be erected across the River des Peres in Forest Park at an estimated cost of $5,500. Robert E. McMath, Pres. Bd.

ST. LOUIS, MO.—Local papers state that the bridge over the railroad tracks at Chouteau Ave. is considered unsafe and Engineer Gayler of the city bridge department is said to have recommended a new structure.

COLFAX, WASH.—Bids are asked by the county commissioners until Sept. 7 for constructing three 40-ft. bridges, each with an 18-ft. roadway. John Tobin, County Audr.

DOWNIEVILLE, CAL.—Bids are asked by the county commissioners until Aug. 16 for constructing a new bridge over the North Yuba River at Goodyer's Bar. A. J. Meroux, Clk.

OAKLAND, CAL.—County Surv. Nusbaumer has filed specifications for the rebuilding of a bridge near Alvarado, at an estimated cost of $1,300.

SAN RAFAEL, CAL.—Bids are asked until Aug. 16 for constructing a concrete arch bridge 14 ft. long and 50 ft. wide, including about 2,941 cu. ft. of concrete in place, 50 cu. yds. excavation, 700 cu. yds. fill, 50 cu. yds. of riprap and 12-in. paving. Geo. L. Richardson, Cy. Engr.

VENTURA, CAL.—Bids are asked until Aug. 14 for furnishing material and constructing a stone arch bridge, also for a steel girder bridge with stone abutments. A. S. Kenagy, Clk.

IDAHO CITY, IDAHO—Bids are asked by the county commissioners until Sept. 13 for constructing a bridge over Schafer Creek. W. F. Connaughton, Clk.

BUILDINGS.

BRUNSWICK, ME.—Plans have been prepared for the Maine Central R. R. for a new station at this place, 140 × 30 ft., to cost $35,000. D. A. Booker, Bldg. Inspector, Brunswick; E. C. Foster, Arch.

CONCORD, N. H.—Plans have been prepared for the new building for the St. Paul's School at this place, to cost about $100,000. Reports state that contracts will not be let until the return of Rev. J. H. Coit, Pastor.

EXETER, N. H.—The Mackie Bros., Brockton, Mass., have been awarded the contract for erecting a new church building for the Second Congregational Church. Arch., E. L. Cram, Boston, Mass.

BOSTON, MASS.—A 10-story apartment hotel, 120 × 150 ft., will be erected at Trinity Place and Copley Square by the Westminster Chambers Trust Co., Chicago, Ill. to cost $635,000. Archs., Henry E. Cregier and John Addison, 1108 Boyce Bldg.

BOSTON, MASS.—Bids are asked by the state house construction commission until Aug. 17 for the ornamental copper work for the Massachusetts State House extension. Arch., Charles Brigham, 7 Mount Vernon St.

WEST MEDFORD, MASS.—The council recently voted to erect a new brick school building at this place, at a cost of $65,000.

HARTFORD, CONN.—The contract for the mason work on the new police building to be erected here was awarded to O'Neil & Walsh, Hartford, at $31,150; the contract for the carpenter work to Watson H. Bliss & Sons, Hartford, at $28,200.

BROOKLYN, N. Y.—Bids are asked until Aug. 17 for erecting an administration building at the Kings County Hospital; bond required, $15,000. Theo. B. Willis, Comr. Cy. Wks.

BROOKLYN, N. Y.—The lowest bidder for constructing roof trusses for one of the buildings in the navy yard was the Youngstown Bridge Co., Youngstown, O., at $3,394.

NEW YORK, N. Y.—Bids are asked by the fire department, 157 East 67th St., until Aug. 18, for constructing a building for the department on 170th St., near Audubon Ave.——Bids are asked by the department of public works until Aug. 18 for furnishing all the labor and material necessary to erect a public comfort station under the sidewalk and city hall park, on the north side of Mail St., with the necessary sewer, etc. Chas. H. T. Collis, Comr. Pub Wks.——Plans have been filed by the city for a 5-story brick school building on 89th St., near Amsterdam Ave., to cost $220,000. Arch., C. B. J. Snyder, 387 Broadway; by Leopold Kahn Co., 2213 7th Ave., for two 5-story brick flat and store buildings at 115th St. and 7th Ave., to cost $90,000; Arch., Henry Anderson, 1180 Broadway; by Andrew Larson, 1027 Tiffany St., for two 5-story brick flats on 135th St., east of Brown Place, to cost $52,000. Arch., John De Hart, 1637 Fox St.——The following bids were received on Aug. 4 by the police department, 300 Mulberry St., for erecting a new prison at 205 and 207 Mulberry St.:

Jas. R. F. Kelly, St. Paul Bldg.	$16,936
John F. Johnson, 114 East 124th St.	19,965
Alfred Nugent & Son, 41 Columbia St.	20,500
John R. Sheehan	22,100

NEW YORK, N. Y.—The following bids were opened Aug. 11: By the department of charities, a new morgue to be erected over the water, near Bellevue Hospital Dock, at the foot of 26th St., East River:

Jno. A. Rennie, 150 Nassau St	$41,866
Post & McCord, United Charities Bldg	42,780
Jno. F. Johnson, 114 E 124th St	44,955
Thos. Dwyer, Temple Court	48,923
Murphy Bros., 407 E 101st St.	54,000
Geo. Telfer, 150 Nassau St	54,570

Also department office and steel shed on pier at the foot of 26th St., East River:

Post & McCord, United Charities Bldg	$57,000
Union Bridge Co., 1 Broadway	59,975
Geo. Telfer, 150 Nassau St	67,750
Thos. Dwyer, Temple Court	67,767
Murphy Bros., 407 E. 101st St	73,000

By the fire department for erecting a building for the fire department on the south side of 140th St., 125 ft. west of Amsterdam Ave.:

P. J. Ryan, 307 W. 44th St	$22,871
McEntee & O'Brien, New York	23,789
Jno. F. Johnson, 114 E. 124th St	23,940
Jno. J. Hoffer, 215 W. 125th St	23,999
H. Probst, 1180 Broadway	24,267
Scheidecker & Gordon, New York	24,349
Thos. Dwyer, Temple Court	26,190

OGDENSBURG, N. Y.—Bids are asked until Aug. 12 for erecting a new school building upon the site of the old building No. 1. H. L. Jones, Clk. Bd. Education; Williams & Johnston, Archs., 40 Ford St.

ROME, N. Y.—Bids are asked until Aug. 20 for erecting a kitchen building, and for the materials and apparatus necessary for the ventilation of several buildings; also for the heating and ventilation of the new center building of the Rome State Custodial Hospital in this city. Supt., Dr. John F. Fitz Gerald; Arch., I. G. Perry, Albany, N. Y.

TROY, N. Y.—Bids are asked until Sept. 11 for the vault fittings, grille work, gates, etc., to be placed in the new county court house in this city. John H. Peck, Chn. Bd. Court House Comrs.; Arch., M. F. Cummings & Son, 10 Times Bldg., Troy.

WOODHAVEN (L. I.), N. Y.—The school district, on July 29, voted to issue $88,000 of 5% bonds for erecting a new school building and repairing the present buildings.

HOBOKEN, N. J.—Reports state that plans have been prepared for twenty-eight 5-story brick and terra cotta store and flat buildings for the Hoboken Land & Improvement Co., 1 Newark St.; total cost, $280,000. Archs., Frank E. Wallis & W. B. Bigelow, 7 West 30th St., New York.

BUTLER, PA.—George Schenck, Pittsburg, Pa., has been awarded the contract for erecting the new Butler County Hospital building at $12,500.

HOMESTEAD, PA.—Plans have been prepared for a 3-story brick, stone and iron store and flat building to be erected for Dr. McCaslin; to cost about $50,000. Arch., L. A. Raisig, Wilkinsburg, Pa.

JOHNSTOWN, PA.—Bids are asked until Aug. 26 for erecting the new high school building for this town. George Wild, Architect, informs us that the building will be of pressed brick, stone and terra cotta, 90 × 200 ft.; the roof will be of slate and the heating will be by the double fan system; the auditorium, with gallery has a seating capacity of 1,000 persons.

MERION, PA.—Plans have been prepared for a 3-story brick and stone dwelling and a stable, for Wm. B. Guest, with the Fidelity Trust Co., Philadelphia; to cost about $25,000. Arch., W. L. Price, 731 Walnut St., Philadelphia, Pa.

READING, PA.—Bids are being asked for erecting a brick and stone church building for the St. Mary's Church, to cost about $50,000. Arch., John Flynn, 532 Walnut St., Philadelphia, Pa.

BALTIMORE, MD.—Bids are asked until Aug. 16 for installing ventilating fans in English-German school building No. 1, at Pennsylvania Ave. and Dolphin St.; also for erecting an addition to annex school No. 19, Woodberry. Benj. B. Owens, Inspector Bldgs.

NEW ORLEANS, LA.—Bids are asked by the board of fire commissioners until Aug. 12 for erecting an engine house in this city. C. B. Fisher, Chn. House Com.

CLARKSVILLE, TENN.—The following bids were received Aug. 3 for erecting a new post-office building, except the heating apparatus, in this city; as advertised in Engineering News. C. E. Kemper, Acting Supervising Arch., Washington, D. C.:

George Moore & Son, Nashville, Tenn.	$43,758
Gude & Walker, Atlanta, Ga.	43,900
Q. D. Bemam, Meridian, Miss.	39,417
Charles A. Moses, Chicago, Ill.	32,264
Bailey, Koerner & Co., Louisville, Ky.	40,948
L. R. Leach & Sons, Chicago, Ill.	36,692
Murdoch, Campbell Co., Chicago, Ill.	35,953
Walter Brosheer, Henderson, Ky.	34,800
D. Getaz & Co., Knoxville, Tenn.	33,750
Geo. E. Moody & Co., Louisville, Ky.	37,500
S. C. Moore & Sons, Knoxville, Tenn	32,267
Edward Gleason, Chicago, Ill.	43,959
W. C. Peake, Washington, D. C.	35,933
W. E. Speir, Washington, D. C.	37,997

PORT HURON, MICH.—Bids are asked until Aug. 16 for constructing a life-saving station at Lake View Beach, near this place. S. I. Kimball, Gen. Supt. U. S. Life-Saving Service, Washington, D. C.

CHICAGO, ILL.—Bids are asked by A. F. Hussander, 59 Dearborn St., according to reports, for the erection of a store and flat building for himself on East Chicago Ave., near Market St., to cost $27,000.——Bids will soon be asked for the superstructure of a church building at Garfield Boulevard and Peoria St., for the Church of the Visitation; D. F. McGuire, Pastor; estimated cost, $70,000. Arch., Martin Carr, 134 Van Buren St.——Bids will probably be asked soon for a 3-story brick and stone school building at Langley Ave. and 91st St.; to cost $50,000. John A. Guilford, Business Mgr. Bd. Education, Schiller Bldg.; Normand S. Patton, Arch., 1117 Schiller Bldg.——Plans are being prepared for a 4-story brick and stone apartment building to be built for M. B. Madden, on the Michigan Boulevard, near 36th St., to cost $60,000. Archs., Dwen & White, Adams Express Bldg.

CHICAGO, ILL.—The Chicago Railway Terminal Elevator Co. will build a new elevator of not less than 2,000,000 bushels capacity, to replace the one burned on Aug. 5. P. B. Weare, Director.

ONARGA, ILL.—The contract for heating and ventilating a school house at this place was awarded to Hubbard & Sons, of Urbana and Champaign, Ill., on July 31, the bids being as follows on 1,425 ft. direct-indirect radiation, No. 10 Haxtun boiler and ventilating ducts:

Bidder.		Boiler room extra.
Hubbard & Sons, Champaign, Ill.	$953	$180
Coe & McMillen, Monticello, Ill.	929	200
S. T. Wilcox, Eureka, Ill.	1,042	209
Robinson & Burr, Champaign, Ill.	1,071	210
R. Cruzen Co., Paxton, Ill.	1,100	220
Engineer's estimate	1,029	187

PEORIA, ILL.—Bids are asked until Aug. 23 by the trustees of the Peoria Asylum for the Incurable Insane for constructing new hospital buildings to cost about $200,000.

MADISON, WIS.—The following bids were received July 27 for erecting the State Hospital Library building at this place. Isaac S. Bradley, Secy. Bd. Comrs.:

Harry Johnson, Omaha, Neb.	$295,133
J. G. Wagner Co., Milwaukee, Wis.	295,880
Henry Ferge, Milwaukee, Wis	296,863
H. R. Edwards, Racine, Wis	298,684
E. J. Roberts, Milwaukee, Wis	300,000
T. C. McCarthy, Madison	309,397
Fred. Andres & Co., Milwaukee, Wis.	311,406
Butler-Ryan Co., St. Paul, Minn	320,000
Moulton-Starrett Co., Chicago, Ill.	320,570
L. L. Leach & Son, Chicago, Ill.	339,873
J. C. Robinson, Chicago, Ill	378,662

McCOOK, NEB.—C. B. Gray, Cy. Clk., informs us that the citizens of this place have voted $10,000 in bonds to aid in building a new court house. Ground for the building has been given to the county commissioners, but no steps have yet been taken towards erecting the same, though something will probably be done soon. Steven Boles, County Comr., McCook, may be addressed.

NORFOLK, NEB.—Bids are asked until Aug. 16 for erecting an additional wing to the hospital for the insane at this place. W. F. Porter, Secy. Bd. Pub. Lands and Bldgs.; Jas. C. Stitt, Arch., Norfolk.

OMAHA, NEB.—Plans have been prepared for a 3-story brick and stone dwelling for E. A. Cudahy, to cost $50,000. Arch., Henry Ives Cobb, 100 Washington St., Chicago, Ill.——The following bids have been received for the low pressure and exhaust steam heating and mechanical ventilating apparatus for the U. S. court house, custom house and post-office building in this city. C. E. Kemper, Acting Supervising Arch., Washington, D. C.: Fairbanks, Morse & Co., Chicago, Ill., $49,373, *150 das.; Samuel I. Pope Co., Chicago, Ill., $43,987, *150 das.; Pittsburg Heating Supply Co., Pittsburg, Pa., $38,990, *120 das.; Crook, Horner & Co., Baltimore, Md., $45,490, *150 das.; J. J. Hanighan, Omaha, Neb., $43,700, *150 das.; John Rowe & Co., Omaha, Neb., $39,235, *150 das.; Optenberg & Sonnemann, Sheboygan, Wis., $40,700, *150 das.; Thomas & Smith, Chicago, Ill., $44,279, *300 das.; R. A. Coleman, Chicago, Ill., $36,503, *150 das.; Oby & Co., Canton, O., $36,000, *150 das.; Chas. B. Kruse Heating Co., Milwaukee, Wis., $36,784, *150 das.; Albany Brass & Iron Co., Albany, N. Y., $55,025, *160 das.; Davenport Steam Heating Co., Davenport, Ia., $36,930, 200 das.; Chafer & Becker, Cleveland, O., $39,767, 6 mos.; Borger Bros & Co., Columbus, O., $41,173, *150 das.

*Working days.

JEFFERSON CITY, MO.—The school board has called an election for Aug. 21 to vote on the issuance of $15,000 in bonds to build an addition to the high school building.

ST. LOUIS, MO.—Plans have been prepared, according to reports, for a 3-story brick and stone sanitarium to be erected for H. Marcs, to cost $40,000. Arch., J. L. Wees, Commercial Bldg.

FORREST CITY, ARK.—Bids are asked until Aug. 17 for erecting a new court house at this place. J. D. Baugh, Comr. Pub. Bldgs. for St. Francis County; Chas. L. Thompson, Arch., Little Rock.

HANFORD, CAL.—Frank Sharples has been awarded the contract for erecting the new school building in this town at $7,751.

OAKLAND, CAL.—Bids are asked until Sept. 6 for erecting an annex to the receiving hospital of Alamedo county. Frank C. Jordan, Clk.

SAN JOSE, CAL.—D. J. Bryon was the lowest bidder for erecting the new high school building at $61,359; the bids have been referred to the council.

FAIRVIEW, B. C.—Reports from Seattle, Wash., state that Drey, Davidson & Russell, of Tin Horn mine, are building a 3-story hotel, to cost $23,000.

KAMLOOPS, B. C.—It is reported that the proprietor of the Dominion Hotel proposes to erect a large brick hotel and opera house.

HERMOSILLO, MEX.—Press reports from Arizona state that there will soon be erected in this city a 3-story hotel to be known as "Hotel Mix," in honor of Capt. L. W. Mix; estimated cost, $100,000.

WATER-WORKS.

BANGOR, ME.—The following bids were received July 31 for constructing the head gate house at the pumping station and the wooden covering for the stand-pipe on Thomas Hill; Willard Cutter & Son, $20,000; Chas. B. Brown, $19,894; James M. Davis, $16,500 (accepted).

DIXFIELD, ME.—This town is said to be considering the construction of a system of water-works.

LIVERMORE FALLS, ME.—The Livermore Falls Water Co. is making a survey from the Moose Hill pond, and it is expected that bids for constructing works will soon be asked.

SACO, ME.—Reports state that Harry A. McNeally has applied for a franchise to lay water mains through this city. The source of the proposed supply is said to be Oss.ppee Lake.

WOODSTOCK, N. H.—Reports state that Rand Bros., Laxeport, N. H., have been awarded the contract for laying the pipe for the proposed works at this place.

BARRE, VT.—A. D. Morse, ex-Mayor E. L. Smith and ex-Alderman C. L. Currier have been appointed a committee to investigate the advisability of the city purchasing the system of the Barre Water Co.——It is reported that L. H. Goodhue, Pres. Barre Water Co., has purchased 10 acres of land to be used as a reservoir for the extension to be built in the western section of the town.

WATERBURY, VT.—Duxbury Corner is soon to be connected with pure running water. B. R. Demeritt and E. F. Palmer, Jr., the main capitalists interested in the project, have already begun operations on the system. The springs to be utilized are situated on the Deavitt farm in Moretown.

ATTLEBORO, MASS.—Local papers state that the Wood, Harmon Co. has made application for an extension of the city works to their new plant.

AYER, MASS.—Work has begun extending the town water system. The new line of 1,600 ft. of 6-in. iron pipe will start at the junction of Groton and Washington Sts., and will be laid on Groton St., with a branch extending upon Nashua St. A hydrant will be put in on each branch.

BRAINTREE, MASS.—A special town meeting is soon to be held, according to reports, to consider a 1,000-ft. extension of the water system in West St.

GREAT BARRINGTON, MASS.—Local papers state that Robert P. Kilbourn has been awarded the contract for laying the new water mains in the upper village.

LOWELL, MASS.—The council has refused to pass the $50,000 water loan for the purchase of the driven well plant on the boulevard.

NEW BEDFORD, MASS.—The water board has decided to lay 1,700 ft. of 16-in. main in Dean St.

PITTSFIELD, MASS.—The board of aldermen has passed a resolution appropriating $5,000 for extending and improving the water mains.

NORWOOD, MASS.—New apparatus for the pumping station is to be purchased, estimated cost $1,500. The water mains in Hillside Ave. and Phillips St. are to be extended, at an estimated cost of $1,050.

PALMER, MASS.—The contract for constructing the reservoir for the new water system for the epileptic hospital, together with the pipe-laying, has been awarded to the W. N. Flynt Granite Co., Monson. The contract for furnishing the pipe required has been awarded to the McNeal Pipe & Foundry Company of Burlington, N. Y. Work on the system will begin at once, and is expected to be completed by Oct. 1. The expense of the work will not be far from $17,000.

SHEFFIELD, MASS.—Surveyor Joseph Curtiss of Great Barrington has been making permanent surveys for the new line of water mains, according to reports.

WEBSTER, MASS.—The water commissioners have decided to lay about 500 ft. of 6-in. main in the upper village.

WESTERLY, R. I.—Bids are asked until Aug. 24 for the purchase of $200,000 in city water-works bonds, the proceeds to be used in the purchase of the Westerly water-works. A. H. Langworthy, Town Treas.

ALBANY, N. Y.—Local papers state that a survey has been made of the site for the proposed 7,000,000-gallon reservoir to be erected by the West Troy Water-Works Co.——The following bids were received Aug. 3 for repairing two condensing-beam pumping engines: Wm. D. Arnold & Thomas Chubb, $5,480; Townsend Machine Co., $5,863; Caldwell Wilcox Co., $6,091; Limited Iron Works, $6,895.

BROOKLYN, N. Y.—T. B. Willis, Comr. Cy. Wks., opened bids Aug. 4 for furnishing and erecting at Mount Prospect engine house a pumping engine having a minimum capacity of 3,000,000 gallons daily. There were three bidders: Henry R. Worthington, A. J. Loretz and M. J. Davidson. The commissioner referred them to Engineer De Varona to be canvassed.——The managers of the Long Island State Hospital have awarded the contract for the driven wells and mains for the new water supply for Kings Park to the Atlantic Construction Co., at $9,900.

GLOVERSVILLE, N. Y.—The water commissioners have been petitioned to lay a new main in Gold St.

HAMMONDSPORT, N. Y.—Reports state that this town has made arrangements for an increased water supply. Land has been purchased on the west shore of Lake Keuka, about ¼ of a mile from town, where a pumping station will be built.

KINGSTON, N. Y.—Bids are asked by the board of water commissioners until Aug. 12 for laying about 35,000 ft. of 20-in. water pipe, for about 7,300 cu. yds. rock excavation, 17,000 cu. yds. earth excavation, etc. Augustus J. Phillips, Secy.

LOCKPORT, N. Y.—Bids are asked until Aug. 23 for supplying at the city water-pumping station not less than 5,000,000 gallons of water a day during the winter months. T. N. Van Valkenburgh, Cy. Clk.

MEADVILLE, N. Y.—Reports state that the council has voted to purchase the city water plant of a private corporation for $200,000.

OGDENSBURG, N. Y.—Bids will soon be asked, according to reports, for constructing a reservoir.

RHINEBECK, N. Y.—The question of constructing works will soon be revoted upon, according to reports.

ROME, N. Y.—Owing to a break in the canal reservoir at Forestport, the waters of the Mohawk River north of this town are being used to feed the canal. This leaves no water to operate the pumps which supply the city reservoir, and three fire engines have been rented to pump water into the mains.

SHARON SPRINGS, N. Y.—Bids are asked until Aug. 17 for constructing water-works and sewers. A. W. Gardner, Pres. Bd. Water and Sewer Comrs.

WADDINGTON, N. Y.—Reports state that this town has purchased a site for the proposed power house to be used for the dynamos and pumping station for the new water-works and electric light plants.

CHATHAM, N. J.—Louis L. Tribus, Ch. Engr., 84 Warren St., New York, informs us that 32 bids were received July 14 for constructing a new pumping plant, etc. The Snow Steam Pump Co. has been awarded the contract for erecting the new pumping station; Tippett & Wood for erecting the new stand-pipe, and the Ames Iron Works the new boiler and stack, as advertised in Engineering News. Frank L. Kelly, Secy. Water Com.

TOMS RIVER, N. J.—The Toms River Water Co. has been incorporated with a capital stock of $20,000, of which $18,000 is paid in. It is proposed to construct, maintain and operate water-works in this town. The incorporators are Albert C. Martin, S. S. Aumack, J. H. Williams, Joseph Grover and Samuel C. Bailey.

TYRONE, PA.—The Bald Eagle Water Co. has been incorporated, with a capital stock of $10,000, to supply water to this borough. Joseph K. Cass, John G. Anderson and D. S. Kloss are the directors.

LATROBE, PA.—The contract for the reservoir to be built at Wolf Springs, about five miles south of Latrobe, has been let to Owen Murphy, of Mount Pleasant. This reservoir will supply the water for the Bagaley Coke Works, and will be at the breast 35 ft. high, and covering about three acres of ground. The contract calls for solid cement masonry, and was given to Mr. Murphy for from $50,000 to $75,000.

CHARLEROI, PA.—Reports state that the Charleroi Water Co. will erect a reservoir having a capacity of 2,000,000 gallons.

HARRISBURG, PA.—The following bids were received Aug. 2 for relaying and extending the influent pipes in the Susquehanna River; James Nalen, $7,945; Jacob Schayler (accepted), $2,697; McNiff & Lynch, $9,000; Ward & Stucker, $4,300; Henry Opperman, $3,242.

MONTGOMERY, PA.—Reports state that the council has granted P. D. Wanner, E. C. Leffler and M. C. Freck permission to lay pipes and perfect a system of water-works to supply water for use in private residences, etc.

HALIFAX, PA.—The Halifax Water Co. was incorporated Aug. 5 with a capital stock of $30,000, of which $3,000 is paid in. It is proposed to supply this town with a water-works system. Treas., Wm. D. Boyer, Scranton, Pa.

TANEYTOWN, MD.—This town is considering the construction of works, according to reports.

MONROE, N. C.—An election will be held Aug. 26 to vote on the question of issuing $30,000 in bonds for constructing works. J. Y. Covington, Mayor.

MOBILE, ALA.—D. M. N. Ross, Cy. Engr., writes us that an issue of $750,000 in bonds, for constructing sewer and water-works systems was authorized Aug. 2.

JACKSONVILLE, FLA.—Bids are asked until Sept. 7 for furnishing and erecting a steel water tower, as described in our advertising columns. R. N. Ellis, Supt. and Engr.; B. F. Dillon, Chn. Bd.

BROOKHAVEN, MISS.—Guild & White, Chattanooga, Tenn., have been awarded, at $33,034, the contract for constructing the proposed water-works and electric light plants.

COFFEYVILLE, MISS.—This town is considering the construction of works, according to reports.

HOLLY SPRINGS, MISS.—The construction of water-works and electric light systems is being considered, according to reports.

FRANKLIN, LA.—The Consolidated Engineering Co., New Orleans, is said to have been awarded the contract for constructing the proposed works; to have a capacity of 500,000 gallons a day. A stand-pipe 120 ft. in height will be erected.

CHATTANOOGA, TENN.—Local papers state that there is considerable talk of forming a new water-works company.

ROCKWOOD, TENN.—W. E. McElwee, H. Fowler and Willard Warner, Jr., have been appointed a committee to investigate concerning the costs, source of supply, etc., of the proposed water-works.

HICKSVILLE, O.—The council has decided to make a $2,000 extension to the water-works system, according to reports.

SYCAMORE, O.—H. W. Hawkins, Clk., writes us that the council is investigating the cost, etc., of the proposed works.

HIGHLAND PARK, MICH.—The council has decided to lay a 600 ft. main in Woodward Ave.

ALBION, ILL.—This town is considering the construction of works, according to reports.

CHICAGO, ILL.—Bids are asked until Sept. 6 for furnishing and erecting at 68th St. pumping station, a 14,000,000-gallon pumping engine, as stated in our advertising columns. L. E. McGann, Comr. Pub. Wks.

WEST McHENRY, ILL.—Bids are asked, according to reports, for constructing a system of water-works.

KAUKAUNA, WIS.—The council has granted a water-works franchise to Thos. Reese and Wm. Breier, of this city. The system is to cost $75,000, will have a capacity of 300,000 gallons, two pumping engines with a daily capacity of 150,000 gallons and a steel stand-pipe to hold 176,000 gallons; all to be completed within one year.

MILWAUKEE, WIS.—Local papers state that bids will soon be asked for constructing a new water main across the Kinnickinnic River at Lincoln Ave.

TRIPOLI, IA.—The Dubuque Construction Co., Dubuque, Ia., has been awarded the contract for constructing works here, including a 90-ft. steel tower and tank.

BANCROFT, NEB.—Bids are asked until Aug. 26 for constructing works. J. J. Elkins, Village Clk.

INDEPENDENCE, MO.—Extensive repairs and extensions are being made to the works, including the installation of new boilers, etc. Supt., R. D. Wirt.

ST. JOSEPH, MO.—The council has adopted resolutions providing for the construction of water mains in Warsaw Ave.

ST. LOUIS, MO.—The council has passed the bill appropriating $95 000 for the purchase of new water pipe and supplies.

MEXIA, TEX.—The council is considering the advisability of running the water-works on the city's own account. An election will soon be held to determine the matter.

TRINIDAD, COLO.—The Trinidad Water Co. paid par for the city bonds of $335,000 issued for the purchase of water-works, transferring its plant in payment, thus ending a ten-year-old quarrel.

HEALDSBURG, CAL.—At the next meeting of the trustees a proposition will be submitted to bond Healdsburg for from $60,000 to $75,000 for a water system. Preliminary surveys have been made. One plan is to take the water from Mill Creek, a distance of seven miles. The other plan is to take the water from Russian River at a point one mile south of Healdsburg and pump to a reservoir to be built on a hill overlooking the city and high enough to afford ample fall.

LOS ANGELES, CAL.—The water supply committee has submitted a report to the council recommending that the people be given an opportunity to vote bonds for the construction of water-works system, main supply conduit and reservoir, at an estimated cost of $335,000.

LIVERMORE, CAL.—Reports state that a new water company is being organized and will at once commence sinking wells.

ST. LAMBERT, QUE.—This city has signed a contract providing for the construction of water-works and sewer systems, according to reports; Mayor Perrais may be addressed.

BERLIN, ONT.—The council is considering the advisability of purchasing the water-works system now owned and operated by a private company.

RENFREW, ONT.—The contract for constructing Renfrew's water-works and sewerage systems has been let to the Three Rivers Iron Works, for $51,784. The practical contractor will be Mr. Garson, of St. Catherines.

PARA, BRAZIL.—Bids are asked until Nov. 18 for the purchase of the city water-works.

MELROSE PARK, ILL.—Bids are asked until Aug. 20 for constructing and furnishing all the materials for an artesian well, as stated in our advertising columns. William Leeseberg, Village Clk.

IRRIGATION.

BEAUMONT, TEX.—It is reported that W. A. Fletcher, of this place, is pushing a scheme for the construction of an irrigation system in Jefferson county.

CHAMBERLAIN, S. DAK.—It is reported that F. H. Meyer, of this city, has recently completed a reservoir covering 1¼ acres at Crow Creek Indian agency.

CHEYENNE, WYO.—State Engineer Elwood Mead has recently completed plans for a large irrigation system. As reported, the work will involve the construction of a canal 50 miles long, tapping the Shoshone River. It is expected to reclaim over 200,000 acres of desert land at a total cost of $1,000,000.

FRESNO, CAL.—A project to use Tulare Lake as a reservoir for irrigation purposes is reported. The scheme involves the generation of electricity in the Sierra Nevada Mts., which will be used to operate pumps. It is estimated that 1,000,000 acres can be irrigated. Caleb D. Davis, C. E., is reported as the promoter.

BOISE CITY, IDAHO.—The Boise & Nampa Irrigation Co. controls an extensive system five miles above this place. The main canal is 52 miles long, with laterals aggregating 68 miles. The main canal irrigates some 70,000 acres of choice land. Press reports state that three large reservoirs are to be constructed, which will cover 1,000 acres.

SEWERAGE.

AUBURN, ME.—Reports state that sewers are to be constructed in Pulsifer and Taylor Sts. R. A. Swift, Cy. Engr.

WOODSVILLE, N. H.—We are informed that this town is about to construct a sewer system, and that the contract will soon be let.

CHELSEA, MASS.—The following bids were received Aug. 3 for constructing sewers and for making connection with the metropolitan sewer system:

G. L. Mirick, Malden, Mass.	$5,358
G. H. Eglee, Boston, Mass.	6,614
John Ford	6,836
Frank L. Allen, Worcester, Mass.	8,990

BOSTON, MASS.—Resolutions have been introduced into the council providing for the construction of sewers in various streets.

LEOMINSTER, MASS.—Reports state that a sewage disposal plant is to be constructed here.

LYNN, MASS.—Local papers state that the following bids were received Aug. 3 for constructing sewers in Chestnut St. and Broadway: James Heath (accepted), $5,807; John Sheehan & Co., $7,995; F. D. Mayo, $8,469; Thomas Hurley, $9,956. The committee also decided to advertise for bids for an extension of the sewer system in Eastern Ave. to Glenwood St.

NEWBURYPORT, MASS.—C. H. Kelleher is said to have been awarded the contract for constructing a sewer in Johnson St.; trenching, 46 cts. a running foot; laying pipe, 3 cts. a running foot, and $30 for manhole.

TAUNTON, MASS.—Local papers state that $83,500 has been appropriated for constructing a trunk sewer in the Cobb Brook Valley, together with the necessary laterals. Luther Dean, Cy. Engr.

WEBSTER, MASS.—L. A. Taylor, Boston, is said to have been awarded, at $3,683, the contract for constructing a 1,700-ft. sewer from Lake St. to the French River, same to be completed by Sept. 15.

SPENCER, MASS.—Reports state that the work of constructing the proposed outlet sewer at the filtration beds will soon be commenced. Nathan E. Craig, Supt. Sewers.

DANBURY, CONN.—Sewers are to be constructed in Montgomery and Chestnut Sts. Chas. O. Brown, Cy. Engr.

MERIDEN, CONN.—Bids are asked by the sewer committee until Aug. 17 for constructing about 2,500 ft. of 24-in. pipe sewer. J. E. Downs, Chn.

WEST HARTFORD, CONN.—The following bids were received Aug. 4 for constructing sewers on the east side, as advertised in Engineering News: John Doolittle & Co., New Haven, $14,974; H. A. Hanscom & Co., West Medford, Mass., $16,855; Frank A. Cadwell, New Britain, Conn., $13,020; A. W. Bryne Construction Co., West Medford, Mass., $16,082; James Campbell, Hartford, $15,168; P. H. Harrison & Sons, Hartford, $13,402; A. Brazos & Sons, Middletown, Conn., $15,260; William H. Sherman, Providence, R. I., $21,513; F. T. Ley & Co., Springfield, Mass., $12,560; Robert D. Maynard, Springfield (accepted), $11,515; Thomas F. Maher, New Haven, $12,387.

SOUTH NORWALK, CONN.—Local papers state that an overflow sewer is to be constructed in Spring St., and through Mechanic St. to tide water. W. C. Briggs, Cy. Engr.

BATH, N. Y.—Bids are asked, according to reports, for constructing an 8-in. pipe sewer in Third St. Trustee Knight may be addressed.

BROOKLYN, N. Y.—Bids are asked until Aug. 16 for constructing an 18-in. pipe sewer in district No. 1; also until Aug. 21 for constructing a 15-in. pipe drain in 86th St.; bond, $3,000. Theodore B. Willis, Comr. Cy. Wks.

BUFFALO, N. Y.—Local papers state that this city is considering the construction of a trunk sewer along the water front. E. B. Guthrie, Cy. Engr.

ROCHESTER, N. Y.—The east side sewer commission is said to have asked an appropriation of $35,000 for deepening Densmore Creek and completing the work already begun. H. H. Edgerton, Pres. Com.

SHARON SPRINGS, N. Y.—Bids are asked until Aug. 17 for constructing sewer and water-works systems. A. W. Gardner, Pres. Bd. Water and Sewer Comrs.

HOBOKEN, N. J.—Bids are asked until Aug. 25 for constructing a brick sewer in Harrison St. M. V. McDermott, Cy. Clk.——Reports state that Mayor Fagan is advocating the construction of a pumping station and receiving basin to aid in sewage disposal.

JERSEY CITY, N. J.—Bids are asked until Aug. 16 for constructing a 15-in. pipe sewer in Carlton Ave. Geo. T. Bouton, Clk. St. and Water Comrs.

PATERSON, N. J.—Wm. Ferguson, Cy. Engr., is said to be preparing plans for an outlet sewer to be constructed through West Paterson.

JOHNSTOWN, PA.—The Twelfth Ward Sewer is to be extended, according to reports.

PITTSBURG, PA.—Local papers state that plans and estimates are being prepared of the cost of a filtration plant for this city.

RANKIN, PA.—Bids are asked until Aug. 17 for constructing 8,500 ft. of pipe sewers, together with the necessary appurtenances. Trimble & Miller, Borough Engrs, 430 Fourth Ave., Pittsburg, Pa.

YORK, PA.—Reports state that John Dobbling has been awarded the contract for constructing sewers for the West End Sewer Co.

BALTIMORE, MD.—Bids are asked until Aug. 18 for furnishing stone, brick, sand and cement to be used in constructing the proposed Clifton Ave. sewer. W. A. Hanway, Cy. Comr.

MOBILE, ALA.—The construction of a system of water-works and sewers was decided upon at an election held Aug. 2. D. M. N. Ross, Cy. Engr.

AKRON, O.—Bids are asked until Aug. 21 for constructing sewers in Balch, Sherman, Johnston and Aqueduct Sts. Frank C. Wilson, Clk. Cy. Comrs.

CINCINNATI, O.—Bids are asked by the board of administration until Aug. 30 for constructing a trunk sewer in Linwood Pike. Aug. Herrmann, Pres.

CLEVELAND, O.—The board of control has recommended that the contract for constructing the second section of the intercepting sewer be awarded to L. H. Fahey, at $24,592.——The council has passed resolutions providing for the construction of sewers in various streets. Geo. R. Warden, Dir. Pub. Wks.

PORTSMOUTH, O.—Part of the Third St. sewer is to be rebuilt, according to reports. City Engineer Bratt may be addressed.

SANDUSKY, O.—A resolution has been passed by the council providing for the construction of a branch sewer in Jackson St. I. C. Brewer, Cy. Engr.

TOLEDO, O.—The council has passed resolutions providing for the construction of sewers in various streets.

EVANSVILLE, IND.—Bids are asked until Aug. 21 for constructing a main sewer in Sixth and Maryland Sts. Geo. W. Swearingen, Clk. Bd. Pub. Wks.——A sewer is to be constructed in the alley between Morgan and Eichel Aves., according to reports.

CHICAGO, ILL.—The board of improvements has received petitions for a new 24-in. brick sewer in Madison Ave., Woodlawn.

SULLIVAN, ILL.—This town will soon construct a sewer system at an estimated cost of from $8,000 to $10,000, according to reports.

MILWAUKEE, WIS.—Local papers state that it is proposed to construct an intercepting sewer under the proposed driveway along the west side of the Milwaukee River. G. H. Benzenberg, Cy. Engr.

STEVENS POINT, WIS.—Plans are asked until Sept. 1 for a system of sanitary sewerage and drainage and general grade of all the streets of the city.

BOONE, IA.—A brick sewer is to be built on Eighth St. for the accommodation of Honey Creek. R. M. Mitchell, Cy. Engr.

ADA, MINN.—The contract for constructing the proposed sewer system has been awarded at $3,987.

TOPEKA, KAN.—Considerable discussion is being indulged in concerning the proposed North Topeka sewer. W. S. Bergunthal may be addressed.

BOONVILLE, MD.—Reports state that this town has awarded a contract for constructing the proposed sewer system.

TELLURIDE, COLO.—The Telluride sewerage plant has been appraised at $7,375, and may be purchased by the town.

HOLLISTER, CAL.—The trustees have awarded $35,000 in bonds for building a sewer system to F. W. Fratt, of Sacramento, at $400 premium. Contract for sewer will be let at once.

LOS ANGELES, CAL.—An ordinance has been adopted by the council ordering the construction of an 8-in. sewer in Lopez St., from Pennsylvania to Michigan Ave.; in Michigan Ave., from Lopez to State St.; in St. Louis St., from Pennsylvania to Michigan Ave.; in Michigan Ave., from St. Louis to Cummings St.; in Cummings St., from Michigan Ave. to a point 40 ft. south of the south line of New Jersey St.; in Avila St., from Macy to Bauchet St. C. H. Hance, Cy. Clk.

GODERICH, ONT.—The council has ordered about 2½ miles of sewer extensions, according to reports.

ROSSLAND, B. C.—The following bids were received for constructing the proposed sewer system: Sol. Cameron, $35,875 and $32,875; Chapple & Edwards, $36,000 and $34,000; W. B. Davey, $35,575 and $32,744 (accepted).

GARBAGE DISPOSAL—STREET CLEANING

SYRACUSE, N. Y.—The health board has awarded the 10-year garbage disposal contract to John Dunfee, at $26,000 a year.

PATERSON, N. J.—The Passaic Sanitary Co. has been organized and is endeavoring to secure a 5-year contract for disposing of the city garbage, in which event a $15,000 crematory will be constructed.

FINDLAY, O.—Bids are asked until Sept. 1 for a 5-year garbage disposal contract, also for the construction of a crematory. A. W. Ray, Cy. Clk.

INDIANAPOLIS, IND.—The Indianapolis Sanitary Co. of this city has been organized, with a capital stock of $50,000, to fulfil the 10-year contract for garbage disposal now held by John G. McCarthy. Pres., August Eibrecht.

CHICAGO, ILL.—Bids are asked until Sept. 3 for the collection and final disposal of garbage, etc., for five years, as stated in our advertising columns. L. E. McGann, Comr. Pub. Wks.

MINNEAPOLIS, MINN.—Bids are asked until Aug. 27 for the collection and disposition of garbage, dead animals, ashes, etc., as stated in our advertising columns. Dr. H. N. Avery, Comr. of Health; L. A. Lydiard, Cy. Clk.

STREETS AND ROADS.

BOSTON, MASS.—The following bids were received Aug. 3 for grading and paving the playgrounds around the Longfellow schoolhouse at South and Howlett Sts., West Roxbury; Ed. H. Dunn, Chn. Com. on School Houses: Thomas Minton, $6,489; James McGoern, $9,545. J. F. Lonergan & Co., $5,999; P. S. Jacob & Son, $6,974; D. M. Biggs, $7,300; R. L. Barrett, $5,989; Edward Lynch & Co., $7,000.

MILTON, MASS.—Bids are asked until Aug. 23 for building about 1,500 lin. ft. of Blue Hills parkway at this place; also for 7,000 cu. yds. of earth grading, 1,100 lin. ft. of 18-in. drain, etc., on the same road. Address, Metropolitan Park Commission, 114 Ames Bldg., Boston, Mass.; Engr., Wm. T. Pierce.

REVERE, MASS.—Bids are asked by this town until Aug. 13 for building and grading about 1,600 lin. ft. of Campbell Ave., at Crescent Beach. Daniel D. Poole, Chn. Bd. Survey; Whitman & Howard, Engrs., 83 Devonshire St., Boston.

WATERTOWN, MASS.—The citizens of this town have voted to appropriate $20,000 for completing the widening of Mount Auburn St.

WARREN, R. I.—Reports state that this town has authorized John H. Brown, Supt. of Highways, to purchase a stone crusher.

WESTERLY, R. I.—Bids are asked by the highway committee until Aug. 24 for paving blocks. The council recently decided to pave portions of High and Canal Sts.; also to grade and curb John St. Surveyor, John L. Kenyon.

BRIDGEPORT, CONN.—Bids are asked by the committee on streets and sidewalks, room No. 8, City Hall, until Aug. 14, for regulating and paving with asphalt about 2,500 sq. yds. of Main St., and also for about 2,800 sq. yds. of Main St.; the former the city's portion, the latter the Bridgeport Traction Co.'s portion. H. G. Scofield, Cy. Engr.

EAST HADDAM, CONN.—At a special town meeting held in this town it was voted to spend $3,000 for macadamizing a part of the Midland road, towards Moodus. W. S. Comstock is interested.

ALBANY, N. Y.—Henry Dumary was awarded the contract, Aug. 6, for paving the roadway of the Knox St. viaduct and its approaches with repressed vitrified brick, as advertised in Engineering News.——On Aug. 2 the Mulderry Bros. were awarded the contract for the brick paving of Benjamin St., from Second Ave. to Porter Court, at $3,595, and of Oak St., from Second to Third St., at $2,656. Thos. J. Lanahan, Clk. Bd. Contract; Horace Andrews, Cy. Engr.

BAY SIDE (L. I.), N. Y.—Thomas F. Byrnes, Flushing, N. Y., has been awarded the contract for macadamizing Montauk, Main and Cocheron Aves., Bayside and Lawrence Boulevards, Douglaston, at $29,075.

BROOKLYN, N. Y.—Bids are asked until Aug. 16 for grading and paving Jamaica Ave., from Pennsylvania Ave. to the city line; bond required, $20,000. Theo. B. Willis, Comr. Cy. Wks.

JAMAICA (L. I), N. Y.—The supervisors of Queens county, Aug. 6, awarded the contract for improving the Newtown and Flushing causeway, for ¾ of a mile west of Flushing Creek, to Eugene Englee, New York, N. Y., at $42,751. The other bidders were Michael J. Dady, Brooklyn, $49,470; Thomas F. Tuohey & Co., Flushing, N. Y., $49,245; Thomas F. Byrnes, Brooklyn, $51,565; Chapman & Fitch, New York, $62,618; advertised in Engineering News. John J. McLaughlin, County Engr., Bank Bldg., Jamaica.——The following bids were also received for about 54,500 sq. yds. of granite paving on Myrtle Ave., including the removal of 26,500 yds. of embankment, the furnishing of 50,500 lbs. of iron pipe and 10 catchbasins; John Sutphin, County Clk.: James Ambrust, Brooklyn, $100,932; M. J. Dady, Brooklyn, $106,485 and *$91,520; J. P. Madden, Long Island City, $109,180 and *$83,565; William Booth, New York, $105,085 and *$91,460; Newmann & Co., Brooklyn, $102,495; James A. Stevenson, Long Island City, $108,860; O'Brien Bros., New York, *$83,990.

*For old granite.

NEW YORK, N. Y.—Bids are asked until Aug. 20 for the grading, etc., of portions of 9th and Nagle Aves., and for flagging and curbing of the sidewalks of 14th, 15th and 16th Sts., between 10th and 11th Aves., and of the Boulevard, between 59th and 108th Sts. Chas. H. T. Collis, Comr. Pub. Wks.

NEW ROCHELLE, N. Y.—The town clerk informs us that on Aug. 3 it was voted to issue $25,000 in street improvement bonds. Further information can be obtained from Andrew J. Selz, Village Clk.

OSWEGO, N. Y.—Bids are asked for a cobblestone pavement in portions of Water and Oneida Sts. It has also been decided to pave Mohawk St., after narrowing it to 30 ft. H. D. McCaffrey, Pres. Bd. Pub. Wks.; Frank Ormsby, Cy. Engr.

ROCHESTER, N. Y.—H. B. Hooker was awarded the contract, Aug. 6, for paving Lake View Park with Hayden block pavement, at $14,770. Edwin A. Fisher, Cy. Engr.

TROY, N. Y.—Bids are asked until Aug. 16 for the brick paving, etc., of 9th St., from Hoosick to Middleburgh St.; for building a retaining wall on Mill St., opposite Woodside church; also for building a catchbasin on Monroe St. E. Ogden Ross, Secy. Bd. Contract; Martin Schenck, Cy. Engr.

GLEN RIDGE, N. J.—Bids are asked until Aug. 16 for the purchase of $60,000 of 4½% street improvement bonds, authorized at the election of June 25. Nathan Russell, Borough Clk.

MOORESTOWN, N. J.—The people of this town propose to spend $10,000 on the improvement of the roadbed of Main St., which has just been purchased from the Camden & Moorestown Turnpike Co. Henry I. Budd, State Road Comr., is interested.

RUTHERFORD, N. J.—The council is contemplating the issuance of $60,000 in bonds in order to macadamize all the graded, unmacadamized streets of the borough.

PENBROOK, PA.—Joseph Bomgardner, Harrisburg, Pa., has been awarded the contract for grading and improving Main St., at $4,400; time, 60 days.

PHILADELPHIA, PA.—Bids are asked until Aug. 19 for widening and improving Delaware Ave., as stated in our issue of Aug. 5. Thomas M. Thompson, Dir. Pub. Wks.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Aug. 19 for furnishing asphalt blocks, as stated in our advertising columns.

CUMBERLAND, MD.—Bids are asked until Aug. 23 for furnishing a quantity of fire brick for paving purposes; also for curbing, etc. Walter B. Clark, Cy. Clk.

AKRON, O.—Bids are asked until Aug. 21 for the brick paving, curbing, etc., of Bowery St. Frank C. Wilson, Clk. Cy. Comrs.; S. W. Parshall, Cy. Engr.

NORWOOD, O.—Bids are asked until Aug. 14 for macadamizing Carter St., in this village. W. E. Wichgar, Village Clk.; James A. Stewart, Village Engr., Johnston Bldg., Cincinnati.

CINCINNATI, O.—Bids are asked until Aug. 30 for paving part of Eden Ave. with brick. August Herrmann, Pres. Bd. Administration.

GALLIPOLIS, O.—Bids are asked until Aug. 17 for the purchase of $60,000 of 4% turnpike bonds. J. W. Jones, County Audr.; James Hunt, Pres. Bd. County Comrs.

GIBSONBURG, O.—Bids are asked until Aug. 31 for about 1,200 lin. ft. of brick paving.——F. A. Herman, Clk. Water Wks. Bd., also informs us that this village will sell $10,000 worth of 6% street improvement bonds on Sept. 1.

HAMILTON, O.—Bids are asked by the board of sewer commissioners until Aug. 21 for paving South Third St. with asphalt or vitrified brick, requiring about 9,660 sq. yds. of paving and 3,400 lin. ft. of curbing. M. O. Burns, Clk.; L. A. Dillon, Cy. Engr.

JEFFERSONVILLE, IND.—The following bids have been received for the brick paving, etc., of Spring St.: Huffman & McClelland, $29,304; Fry & Carr, $27,205; R. L. Clark, $27,795; W. O. Sweeney & Co. (accepted), $24,120.

SAGINAW, MICH.—Bids are asked until Aug. 16 for the paving and repairing of Jefferson Ave.; requiring about 20,170 sq. yds. asphalt pavement, 4,125 cu. yds. excavation, 670 rods tile drain, etc. Alfred Davies, Clk. Bd. Pub. Wks.; H. E. Terry, Cy. Engr.

MILWAUKEE, WIS.—The contract for grading and otherwise improving Burleigh St., from Third St. to Louis Ave., was awarded, Aug. 3, to A. Kellner, at $14,356.

OMAHA, NEB.—Bids are asked until Aug. 20 for about 45,000 sq. yds. of repaving on Farnam St. with asphalt, brick or stone. Andrew Rosewater, Chn. Bd. Pub. Wks. and Cy. Engr.

SIOUX CITY, IA.—Bids are asked until Aug. 17 for paving 7,900 sq. yds. of Pierce St. with asphalt, as described in our advertising columns. L. F. Wakefield, Cy. Engr.; C. T. Westcott, Chn. Paving Com.

KANSAS CITY, MO.—Bids are asked by the Jackson county court until Aug. 26 for macadamizing Elmwood Ave., from Independence Ave. to 12th St. Thomas F. Callahan, County Surveyor.

SEDALIA, MO.—The paving of Kentucky St. in this city is now being projected by C. E. Messerly and others. Richard Morey, Cy. Engr.

DENVER, COLO.—Plans and specifications are being prepared for the paving of 16th St., from Wazee to Wewatta St., with red sandstone. Donald W. Campbell, Ch. Engr. Pub. Wks.; John B. Hunter, Cy. Engr.

CORNWALL, ONT.—Bids are asked until Aug. 13 for constructing about 528 lin. ft. of granolithic walk, 4 ft. wide. George S. Jarvis, Town Clk.

EDMONTON, N. W. T.—Press reports state that the Canadian Pacific Railway Co. and the Dominion government are conferring with the view to opening up a wagon road to the Yukon from this town. The object is to give a short and safe road for prospectors to Alaska, and to maintain winter communication.

MANUFACTURING PLANTS.

CONCORD, N. H.—The Concord Land & Water Power Co. is taking final steps toward securing the steam plant necessary to the circulation of the current at all seasons of the year. A hearing will be had at the office of Streeter, Walker & Hollis, Aug. 14. Total cost, $20,000.

ENFIELD, N. H.—The Geo. Whitney Woolen Co. has begun extensive repairs on the Baltic Mills. A storehouse 100 × 50 ft. will be built.

ALLSTON, MASS.—The Boston & Albany R. R. Co. will do away with its workshops in Boston, and will enlarge the car shops in this place. J. P. Condon, Foreman, may be addressed.

LAKEVILLE, MASS.—Experiments have been carried on for some time with the purpose of finding water which shall be suitable for a bleachery. J. Frank Knowles is at the head of the enterprise.

PUTNAM, R. I.—Contractors are engaged in figuring on a new mill at this place. W. P. Vaughn, Agent, may be addressed.

HARTFORD, CONN.—The Hartford Brewing Co. propose erecting a new 6-story fireproof lager and ale brewery on Windsor St., 140 × 120 ft., with a boiler and bottling house 50 × 100 ft. A. C. Wagner, Engr. and Arch., 514 Walnut St., Philadelphia, Pa.; Supt., H. A. Schweizer, City Hotel.

DANSVILLE, N. Y.—The George Sweet Mfg. Co. is expected soon to begin the building of new shops. They plan to have a 56 × 40-ft. foundry, a 64 × 36-ft. machine shop, a wood-working shop, 36 × 80 ft., and a new boiler house.

NORRISTOWN, PA.—Hales & Ballinger, Philadelphia, have been engaged to prepare plans for a 4-story mill, to cost $25,000, for the Globe Knitting Mills in this place.

PHILADELPHIA, PA.—The chemical works of D. Janyne & Sons, Bermuda and Tucker Sts., Frankford, operated by the Barrett Mfg. Co., importers and distillers of coal tar and manufacturers of roofing, were burned Aug. 4 to the extent of $100,000. Insurance, $76,000.——The fertilizer works of Adam W. South, Delaware and Weccaco Aves., were completely destroyed by fire Aug. 5. Loss, $40,000; no insurance.

PITTSBURG, PA.—The Castalia Portland Cement Co. will erect a new brick and iron cement factory, 75 × 500 ft. and two stories high. Archs., Lathbury & Spackman, 1619 Filbert St., Philadelphia, Pa.

WINSTON, N. C.—Denny & Hall, architects, of Baltimore, Md., have prepared plans for a large abattoir to be erected in this city. It will be of brick and steel, one story in height, and will cost $90,000.

COLUMBIA, S. C.—A cotton mill and electric plant to cost $150,000 will be erected at Catawba Falls. Mrs. Susan A. Boyleston, Winnsboro, is interested.

JACKSON, TENN.—The Jackson Woolen Mills were partially destroyed by fire Aug. 2. Loss, $50,000; insurance, $27,000. About 20 cottages were also burned at a loss of $5,000, with little insurance.

KENT, O.—The Kearney & Foote Co., New York, N. Y., is reported as being about to locate a large factory at this place.

CHICAGO, ILL.—The McCormick Harvesting Machine Co. will erect a new foundry which will be one of the largest in the country, according to reports. It is stated that it will be 5 stories high, with a daily capacity of 200 tons of castings.

PEORIA, ILL.—The refinery plant of the Peoria Grape Sugar Co. was destroyed by fire recently. Loss, $500,000; insurance, $300,000. Mgr., B. F. Rhodhamel.

KAUKAUNA, WIS.—The extensive plant of the Badger Paper Co. was totally destroyed by fire recently. Loss, $250,000; insurance, $200,000. The mill consisted of a brick and stone building, 200 × 175 ft.

SOUTH MILWAUKEE, WIS.—The Shaw Steel Casting Co. will remove its plant from Milwaukee to this city, where it has secured a site on the line of the Chicago & Northwestern Ry.

ST. LOUIS, MO.—The American Wire Nail Co. has bought additional ground to enlarge its plant.——The Victor Window Glass Co. and the American Tin Plate Co. have begun to enlarge their plants.

SANTA BARBARA, CAL.—The Santa Barbara Oil & Mining Co. is considering a proposition to enlarge its plant. Pres., C. S. Fay; Vice-Pres., H. L. Williams, Jr.; Secy., W. E. Musgrave.

OGDEN, UTAH.—A factory for the manufacture of stone and crockery ware, sewer pipe, drain tile and paving brick is proposed for this city. J. B. Twiford, A. T. Wright and Wm. Glasmann are on the committee.

LU KON CHIAO, CHINA.—It is reported that new car-building works are to be established at this city when the construction of the Lu Kon Chiao-Haukon railway line is begun.——The Chinese Engineering & Mining Co., of Tongshan, is sinking a new 20-ft. shaft, 1,300 ft. deep. It is said that much machinery will be required for this and other extensions. H. Michaelis, Engr. in charge; Y. T. Lin, Secy.

GAS PLANTS.

BALLSTON SPA, N. Y.—The Ballston Spa Electric Light & Power Co. is planning to place a new and improved gas plant near the electric light building on Washington St.

JERSEY CITY, N. J.—One of the oil tanks of the Standard Oil Co. at Caven Point, this city, was struck by lightning Aug. 4 and destroyed by fire.

McKEESPORT, PA.—Local papers state that the Union Gas. Co. has been granted a franchise to lay mains in the streets of this city.

ASHLAND, KY.—At the monthly meeting of the city council a 20-year franchise for the laying of gas mains through the streets and alleys of the city was sold to the Big Sandy Oil & Gas Co.

SIOUX CITY, IA.—Bids are asked until Aug. 17 for furnishing and lighting 300 or more gasoline street lamps for one, two or three years, as stated in our advertising columns. A. J. Siman, Chn. Light Com.

NEW COMPANIES.—Commercial Gas Light Co., Oxford, N. Y.; $2,000; Directors: Frank Corbin, Alexander D. Wand, Frederick H. Burchard, Edgar A. Pearsall and Albert S. Burchard, of Oxford.

Acetylene Gas Light Co., Merchantville, N. J.; $30,000; to construct, maintain and operate gas plants in Merchantville and adjacent towns; H. F. Roberts, Geo. L. Cooke et al, Merchantville, N. J.

The Central West Virginia Oil Co. has been incorporated by N. E. Whitaker, Col. Morris Horkheimer, Delegates A. E. Kearney, of Calhoun, and L. M. Stephens, of Wetzel, and George J. Leichner, of New Martinsville. The capital stock is $5,000, with privilege of increasing to $100,000.

MISCELLANEOUS CONTRACTS.

BONDS.—Canton, O.—Bids are asked until Aug. 30 for the purchase of $38,000 of 10-year bonds.

SNAG BOAT.—New Orleans, La.—Bids are asked until Aug. 31 for hire of snag boat. Maj. James B. Quinn, 349 Carondelet St.

HARBOR.—Simon's Town, Africa.—It is stated that the Imperial government will spend £2,500,000 in building a harbor at this place.

FIRE CISTERN.—Akron, O.—Bids are asked until Aug. 21 for constructing a fire cistern of 1,500 bbls capacity. F. C. Wilson, Cy. Clk.

MODEL BARGES.—St. Louis, Mo.—Bids are asked until Sept. 1 for model barges. Thos. H. Handbury, Major Engrs., Custom House.

DREDGING.—Norfolk, Va.—Chester T. Caler, Norfolk, Va., was awarded the contract for dredging the Norfolk navy yard channel at $29,375.

COAL STRIPPING.—St. Clair, Pa.—Crawford & Dugan are reported as the successful bidders for removing 200,000 cu. yds. of earth for W. H. Taylor & Co.

STEAM FIRE ENGINES.—Brooklyn, N. Y.—Bids are asked until Aug 18 for furnishing four steam fire engines. Wm. C. Bryant, Comr. Dept. Fire, 365 Jay St.

MINING MACHINERY.—Stony Creek, Tenn.—It is reported that John N. Adams is in the market for turbines, hoisting machinery, rails and mining machinery.

BONDS.—Broadwater County, Mont.—Bids are asked until Sept. 6 for the purchase of $62,000 of 5 and 20-year 6% bonds. B. S. Coad, County Clk., Townsend, Mont.

DREDGING.—Rock Island, Ill.—Bids are asked until Sept. 7 for dredging in Galena River, Ill., as stated in our advertising columns. Lieut. Chas. Keller, U. S. Engrs.

BONDS.—Cleveland, O.—It is reported that the park board will ask authority to issue $1,000,000 of bonds to complete the grading and macadamizing of park roads, etc.

COAL BREAKER.—Harwood, Pa.—It is reported that Price, Clark & Levan will construct a new coal breaker for A. Pardee & Co. at this place, which will cost about $100,000.

COAL HANDLING APPARATUS.—Boston, Mass.—Bids are asked until Aug. 18 for machinery to handle coal at the City Hospital wharf. A. Shuman, Pres. Bd. Trustees, Boston City Hospital.

RECLAIMING LAND.—Toledo, O.—It is reported that efforts will be made to fill in a section, 600 × 2,000 ft., and make a park of it. City Engineer Blunt and S. P. Jermain may be able to give particulars.

MACHINERY.—Mare Island, Cal.—Bids are asked until Aug. 24 for furnishing machinery and machine tools for the navy yard at this place. Edward Stewart, Paymaster-General, U. S. N., Washington, D. C.

REVENUE CUTTER.—Washington, D. C.—It is expected that bids will soon be asked by the Treasury Department for a revenue cutter to cost $175,000. The plans call for a vessel 188 ft. long, displacing 708 tons.

POWER PUNCH.—Bellaire, O.—Bids are wanted by the Standard Boiler & Bridge Co. for furnishing the company with one large power punch sufficient to punch 1¼-in. holes through inch plate; second-hand will do.

DAM AND POWER PLANT.—Minneapolis, Minn.—It is reported that preliminary plans are being made by J. T. Fanning, to utilize the water of Minnehaha Creek for power purposes. It is hoped to derive 7,200 HP.

RETAINING WALL.—Evansville, Ind.—Bids are asked until Aug. 20 for all labor and material required to erect a stone retaining wall. C. E. Kemper, Acting Supervising Architect, Treasury Dept., Washington, D. C.

STONE.—New York, N. Y.—Bids are asked until Sept. 9 for furnishing rubble and paving stone on dikes in Hudson River, as stated in our advertising columns. Lieut.-Col. Wm. Ludlow, U. S. Engrs., Army Bldg.

RETAINING WALL.—Cincinnati, O.—Bids are asked until Aug. 3 for excavation, laying of concrete, foundations, etc., necessary for a retaining wall. Aug. Herrmann, Pres.; A. P. Butterfield, Clk. Bd. Administration.

IRON VAULTS.—Washington, D. C.—The register of wills of this city awarded the contract for constructing a vault for the preservation of papers to the Fenton Metallic Mfg. Co., New York. The work will cost about $2,000.

FOUNDATIONS.—Washington, D. C.—The foundations for the new power house of the United States Electric Lighting Co. will contain 1,500 piles. The Delaware Construction Co. has been awarded the contract for placing them.

GUN EMPLACEMENTS.—Charleston, S. C.—Bids are asked until Sept. 9 for furnishing materials and constructing gun emplacements on Sullivan Island, S. C., as stated in our advertising columns. Capt. Frederic V Abbot, U. S. Engrs.

STEEL FLUME.—Marquette, Mich.—It is reported that the Muskegon Boiler Works received the contract for building 2,022 ft. of steel flume, to be 6 ft. in diameter, at a cost of $13,002 to the city. The pipe will be used to carry water from a dam to the electric light plant.

DREDGE CONSTRUCTION.—Wilmington, Del.—The Chas. Warner Co. is having a new dredge constructed to take the place of the one burned off New Castle. The plans call for a hull 86 ft. long, 36 ft. beam and 9 ft. deep. Harlan & Hollingsworth Co. and Jackson & Sharp Co. offered bids.

ELECTRICAL COMMUNICATION.—Albany, N. Y.—Bids are asked until Aug. 25 for the installation of electric communication between the offices of the section superintendent and the several locks and other important structures on the New York state canals. Geo. W. Aldridge, Supt. Pub. Wks.

RETAINING WALL.—Boston, Mass.—The following bids were received for building a retaining wall and fence along Covington St.: Thos. F. Broderick, $880; Cullen Bros., $1,062; Metropolitan Construction Co., $1,225; John Sutherland, $1,081; Geo. R. Dugard & Co., $947; Martin F. Culbert, $1,385. The bids are to be considered.

BULKHEAD.—Philadelphia, Pa.—Bids are asked until Aug. 19 for work and material on street improvements in connection with the widening of Delaware Ave. The work will include the following materials: 750,000 ft. B. M. sawed timber; dredging, 145,000 cu. yds.; riprap, 22,000 cu. yds.; filling, 239,000 cu. yds.; gravel filling, 76,500 cu. yds., etc. Thos M. Thompson, Dir. Pub. Wks.

REPAIRING DOCK.—New York, N. Y.—The following bids were received by the Department of Docks Aug. 4 for repairing platform at 7th Ave and Harlem River: Bernard Rolf, 39 Cortlandt St., $4,163; Spearin & Preston, 11 Broadway, $4,250; Wallis & Van Riper, $5,500. As the lowest bid was above engineer's estimate, all were rejected, and work will be readvertised.

SUBWAY.—Boston, Mass.—Bids are asked by the Boston Transit Commission until Sept. 2 for building section 11 of the subway, as stated in our advertising columns. The structure will consist of a combination of steel and masonry. Some of the items are estimated to be as follows: 19,300 cu. yds. of earth excavation; 330 tons iron and steel, furnished by commission, to be set in place; 7,000 cu. yds. concrete and brick masonry; 22,000 lin. ft. of piles in place, etc. Howard A. Carson, Ch. Engr.; B. Leighton Beal, Secy., 20 Beacon St.

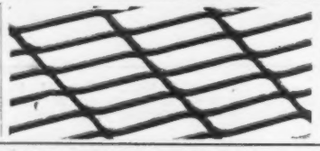
FOUNDATIONS.—Chicago, Ill.—The following bids were opened July 28 for the labor and materials required for general excavating, piling, foundations, etc., for the new U. S. public building in this city, as advertised in Engineering News July 1; Henry Ives Cobb, Arch., Chicago.:

L. L. Leach & Son, Chicago	$262,757
Griffith & McDermott, Chicago	249,788
J. R. Robinson, Chicago	258,900
C. Everett Clark, Chicago	251,200
Earnshaw & Goldie, Chicago	218,740
Grace & Hyde Co., Chicago	287,500
Fitz Simons & Connell Co., Chicago	284,258
Nicholson & Sons, Chicago	223,991
Frederick W. Clark, Chicago	235,000
James Stewart & Co., St. Louis, Mo.	397,055
McArthur Bros. Co., Chicago	208,453
Barnett & Record Co., Chicago	229,890
Heldmaier & Neu, Chicago	262,350
Jacob Rodatz, Chicago	226,500
Falkenau Construction Co., Chicago	289,673
George Messersmith, Chicago	349,990
Chicago Dredging & Dock Co.	298,000
Joseph Downey, Chicago	256,283
Angus & Gindele Co., Chicago	284,725
Chicago Star Construction & Dredging Co.	230,000
Lydoc & Drews Co., Chicago	219,600
E. B. Gobel, Chicago	239,000

EXCAVATION, MASONRY, ETC.—West Newton, Mass.—Bids are asked until Aug. 26 for the Bullough's Pond improvement, the work including: 2,500 cu. yds. loam excavation; 500 cu. yds. loam taken from spoil bank and placed; 500 sq. yds. sodding; 25 cu. yds. rock excavation; 15,000 cu. yds. earth excavation; 50 cu. yds. stone walls removed; 100 cu. yds. rubble wall; 100 cu. yds. retaining

EXPANDED METAL.

PITTSBURGH, 531 Wood Street.
NEW YORK, 256 Broadway.



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For Plastering, Fireproofing Beams, Columns, Partitions, etc.

CENTRAL FIREPROOFING COMPANY,
Manufacturers and Contractors for Erection of Hollow Tile and Porous Terra Cotta . . **FIREPROOFING**
No. 874 BROADWAY, NEW YORK. Henry M. Keasbey, President.

GALESBURG VITRIFIED BRICK CO.
Paving Brick Exclusively... GALESBURG, ILL.

MUNICIPALITIES Having Contracts To Let should address

T. W. KINSER & SONS,
609-613 Chicago Stock Exchange, Chicago.
SPECIALTIES: Sewers, Water-Works, Paving Railroads, Fills, Excavating and Masonry.

THE T. A. GILLESPIE COMPANY,
Pittsburg Office: Westinghouse Bldg.
New York Office: Havemeyer Bldg
Engineers and Contractors.
Manufacturers of
RIVETED STEEL PIPE.

Phœnix Construction Co.,
908 Fisher Building, Chicago
We do all classes of heavy construction; Water-Works, Electric and Steam Railroads, Sewers, etc. We invite correspondence.

UTICA PIPE FOUNDRY CO.
CHARLES MILLAR & SON, Selling Agents, UTICA, N. Y.
Cast Iron Pipe and Specials, Hydrants, Gates, Pig Lead, etc
AKRON SEWER PIPE.
Lead Pipe. Plumbers' Materials

THE ACME POWDER CO.,
MANUFACTURERS OF EXPLOSIVES,
806 DUQUESNE WAY, PITTSBURG, PA.

EXPLOSIVES
ARTHUR KIRK & SON,
PITTSBURG, PA.
Powder, Dynamite, Rock Drills, Air Compressors, Rock Breakers, Safety Fuses, Electric Batteries, Miners' Squibs

ESTABLISHED 1836
WALDO BROTHERS,
BOSTON, MASS.
ROSENDALE AND PORTLAND CEMENTS
CONTRACTORS' AND MASONS' SUPPLIES
Largest Stock in N.E.
SEND FOR CATALOGUE
N.E. AGTS. AKRON SEWER PIPE

Chimney Tops. **KENNEDY, KLING & CO** SEWER PIPE 150 FRANKSTOWN AVE PITTSBURG, PA. Fire Brick

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WHICH ARE
A necessity in Office Buildings and Hotels, write to the sole makers,
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PATENTED. AUTHORIZED.

Columbus Office: 312 North High St.

Quality Unsurpassed. Write for Prices.
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THE CAZIN WHEEL
(Patented March 16, 1897)
Operated by Water or Steam.
The only Power Wheel complying with requirements to maximum efficiency.
Send for Pamphlet.
American Impulse Wheel Co.
OF NEW YORK.
No. 120 Liberty Street.

HUDSON RIVER BY DAYLIGHT.
The Most Charming Inland Water Trip on the American Continent.
The Palace Iron Steamers
"NEW YORK" AND "ALBANY,"
OF THE HUDSON RIVER DAY LINE,
DAILY, EXCEPT SUNDAY.
Leave New York, Desbrosses St....8.40 a. m.
" New York, W. 22d St., N. R..9.00 "
" Albany, Hamilton St.....8.30 "
Landing at Yonkers, West Point, Newburgh, Poughkeepsie, Kingston Point, Catskill and Hudson.
The Attractive Tourist Route to the
Catskill Mountains, Saratoga, and the Adirondacks, Hotel Champlain, and the North, Niagara Falls and the West.
Through Tickets Sold to All Points.
Restaurants on Main Deck. Orchestra on each Steamer.
Send 6c. in postage for "Summer Book."
F. B. HIBBARD, Gen'l Passenger Ag't.
E. E. OLCOTT, Gen'l M'g'r,
Desbrosses Street Pier, New York.

SEWERS.

MIDDLETOWN, OHIO.

The Board of Sewer Commissioners will receive bids until 12 o'clock noon, August 19, 1897, for the construction of two lateral pipe sewers, about 3,700 ft. in length, and an extension of 1,050 ft. to a 5-ft. circular double-ring trunk sewer. Specifications may be obtained by addressing

L. T. MARTIN,
31-2t Clerk Sewer Comrs.

SALE OF BONDS.

SCRANTON, MISS.

Sealed proposals will be received at the Mayor's Office, Scranton, Miss., until 12 o'clock noon, August 30th, 1897, for the sale of $25,000 municipal 20-year 6% Water-Works and Electric Light Bonds, to be issued by the Town of Scranton, Miss., said bonds to be in denominations of $500 each and interest payable annually.

No bid will be considered unless accompanied by cash or certified check payable to the order of the Treasurer of the Town of Scranton, Miss., for 3% of the amount bid for, to insure good faith and to be forfeited to the Town of Scranton, if the bidder fails to enter into contract according to bid within 10 days after bid has been accepted. Bids are invited for any part of, or the whole issue. The right to reject any or all bids is reserved. For further information, address J. D. Clark, Mayor pro tem., Scranton, Miss., to whom all proposals or other communications are to be addressed.

TOWN OF SCRANTON, MISS.
By W. W. FARNSWORTH, Mayor,
J. D. CLARK, Alderman, Mayor pro tem.,
J. A. MILLER, Alderman,
Members of the Water, Light and Finance Committees of the Town Council. 31-2t

SANITARY DISTRICT OF CHICAGO.

TO CONTRACTORS.

Sealed proposals, addressed to the Board of Trustees of the Sanitary District of Chicago, and endorsed "Proposals for supplying and erecting certain bridge substructure along the line of the Main Drainage Channel," will be received by the clerk of said sanitary district, Room 1110, Security Building, Chicago, Ill., until 12 m. (standard time) of Wednesday, the 8th day of September, A. D. 1897, and will be publicly opened by said Board of Trustees at the regular meeting held that day, or at a special meeting held for that purpose.

The bridges for which the said tenders are invited are four in number, and their sites are as follows:

Chicago, Madison & Northern R. R. bridge near east end of contract section "N."

Atchison, Topeka & Santa Fe Railway bridge at west end of contract section "N."

Atchison, Topeka & Santa Fe Railway bridge near east end of contract section "G."

Chicago & Calumet Terminal Railway bridge near west end of contract section "E."

The work for which said tenders are invited is the furnishing, delivering and building in place one (1) center pier, and two (2) wing abutments for each bridge, as per plans and specifications to be furnished by the chief engineer.

Each bridge will be treated as a single contract in canvassing proposals and making awards.

Each bid must be accompanied by a certified check or cash to the amount of $1,000.

All certified checks must be drawn on some responsible bank doing business in the city of Chicago, and be made payable to the order of the Clerk of the Sanitary District of Chicago. Said amount of $1,000 will be held by the Sanitary District until all of said bids have been canvassed and the contract awarded and signed, the return of said check or cash being conditioned upon any bidder to whom the award of said work may be made appearing within ten (10) days after notice of such award being given, with bondsmen, and executing a contract with the Sanitary District for the work so awarded, and giving a bond satisfactory to the said Board of Trustees for the fulfilment of the same in the amount of $5,000.

All bids must be made upon the blank forms furnished by the Sanitary District.

No bids will be considered unless the party making it shall furnish evidence satisfactory to the Board of Trustees of his experience and ability in this class of work, and that he can control sufficient capital to enable him successfully to prosecute same in case the contract therefor shall be awarded him.

Bidders are required to state in their bids their individual names and places of residence in full.

Specifications and plans may be obtained at the office of the chief engineer, Room 1010 Security Building, Chicago, Ill., on or after Aug. 9, 1897.

The said Board of Trustees reserves the right to reject any and all bids.

THE SANITARY DISTRICT OF CHICAGO,
By THOMAS KELLY, President.
Attest: JAMES REDDICK, Clerk.
Chicago, July 7, 1897. 29-4t

PROPOSALS FOR DISAPPEARING GUN CARRIAGES. Ordnance Office, War Department, Washington, D.C., July 13, 1897.—Sealed proposals, in duplicate, will be received here until 3 o'clock p. m., Aug. 13, 1897, when they will be publicly opened, for supplying the Ordnance Department, U. S. Army, with 5, more or less, 12-inch Disappearing Gun Carriages, L. F., Model 1896. Bids will be received for all or for part of the foregoing. Information furnished upon application to Brig.-Gen. D. W. FLAGLER, Chief of Ord. 29-4t

SANITARY DISTRICT OF CHICAGO.

TO CONTRACTORS.

Sealed bids, addressed to the Board of Trustees of the Sanitary District of Chicago, will be received by the Clerk of the Sanitary District at Room 1110 Security Building, Chicago, Ill., up to 12 m. (standard time) of Wednesday, Aug. 25, 1897, and will be publicly opened by the said Board of Trustees at the regular meeting, held that day, or at a special meeting called for that purpose.

The work for which said tenders are invited is:

First. The excavation of a channel designated as "The Tail Race," and the building of the embankments, masonry core, highway approaches, and all collateral work necessary or incident to the said Tail Race, as described and specified in the detailed specifications furnished by the engineer.

Second. The construction of a "Weir Dam" of masonry and the work collateral thereto, as described in the detailed specifications furnished by the engineer.

The work called for under these two heads may be covered in one bid, or the bidder may bid upon one division of the work only and the Board of Trustees may award all of the work to one bidder or may award the Tail Race to one bidder and the Weir Dam to another; reserving the right, however, to reject any and all bids.

Each bid shall be accompanied by a certified check or cash to the amount of $3,000 for each division of the work covered by the bid ($6,000 for the entire work).

All certified checks must be drawn on some responsible bank doing business in the city of Chicago, and be made payable to the order of the Clerk of the Sanitary District of Chicago. Said amount of $3,000 for each division of the work will be held by the Sanitary District until all of said bids have been canvassed and the contract awarded and signed, the return of said check or cash being conditioned upon any bidder to whom the award of said work may be made appearing within ten days after notice of such award being given, with bondsmen, and executing a contract with the Sanitary District for the work so awarded, and giving a bond satisfactory to the said Board of Trustees for the fulfillment of the same in the amount of $60,000 for the Tail Race, and $15,000 for the Weir Dam.

All bids must be made upon blank forms furnished by the Sanitary District, and must give the price for each separate class of work or material called for by the specifications.

The bids will be compared on the basis of the prices bid per cubic yard applied to the engineer's approximate estimate of quantities added to the lump sum price for any portion of the work upon which a lump sum may be asked.

No bid will be considered unless the party making it shall furnish evidence satisfactory to the Board of Trustees of his experience and ability in this class of work, and that he can control sufficient capital to enable him successfully to prosecute same in case the contract therefor shall be awarded to him.

Bidders are required to state in their bids their individual names and places of residence in full.

Specifications and plans may be seen at the office of the Chief Engineer, Room 1010 Security Building, Chicago, Ill.

The said Board of Trustees reserves the right to reject any and all bids.

THE SANITARY DISTRICT OF CHICAGO,
THOMAS KELLY, President.
Attest: JAMES REDDICK, Clerk.
Chicago, Ill., June 9, 1897. 29-4t

PAVEMENT ON MAIN STREET.

CITY CLERK'S OFFICE,
BINGHAMTON, N. Y., Aug. 4, 1897.

Notice is hereby given that sealed proposals for paving Main Street, from the present westerly terminus of the asphalt pavement on said street to the west end of the old wood pavement on said street, in accordance with the specifications prepared by the City Engineer and now on file in the City Clerk's office, will be received by the Common Council until 7.30 o'clock p. m., August 18th, 1897. Proposals will be received by the said Common Council for paving with either Trinidad Lake Asphalt, Alcatraz Asphalt, Bermudez Asphalt, Sicilian and German Rock Asphalt, Dundonnald Deposit Trinidad Asphalt, or Trinidad Land Asphalt. Each bidder will be required to state in his proposal the kind of asphalt which he proposes to use, which shall be one of the kinds named in the specifications.

Blank proposals may be obtained of the City Clerk at his office.

BURR W. MOSHER,
31-2t City Clerk.

U. S. ENGINEER OFFICE, Telephone Building, Detroit, Mich., August 2, 1897.—Sealed proposals for DREDGING and SUBMARINE ROCK EXCAVATION, in the St. Mary's River, Mich., will be received here until 12 o'clock noon (standard time) August 31, 1897, and then publicly opened. Apply here, or at U. S. Engineer Office, Sault Ste. Marie, Mich., for specifications. G. J. LYDECKER, Lt. Col. Engrs. 31-4t

Other Proposals, Pages XXIV & XXVII

W. C. OASTLER
IMPORTER,
43 Exchange Pl.
NEW YORK.
Aveling & Porter's English Machinery.

walls; 100 running ft. granite coping stone; 25 cu. yds. brick masonry; 125 cu. yds. American concrete masonry; 40 cu. yds. Portland and concrete masonry; 100 lin. ft. iron fence; 500 lin. ft. pipe drains; 100 lin. ft. 24-in. iron water pipe and gate; 6,500 sq. yds. 8-in. gravel roadbed; 6,500 sq. yds. 8-in. gravel roadbed; 3,200 sq. yds. 4-in. gravel paths; 15 steel I-beams and plates complete. H. D. Woods, Cy. Engr.

MASONRY.—New York, N. Y.—The following bids were opened by the Aqueduct Commissioners Aug. 4 for constructing retaining masonry near shaft 25 of the new Croton Aqueduct:

P. J. Moran, 407 West 123d St.	$17,885
Jos. Di Benedetti, 435 East 114th St.	18,867
John Twiname, 2,033 Bathgate Ave.	18,985
Wm. J. Rogers, 536 West 152d St.	22,670
Jas. J. Coughlan, Boston, Mass.	25,882
Thomas Dwyer, Temple Court	28,135

CANAL IMPROVEMENTS.—Albany, N. Y.—The following contracts were awarded Aug. 6 for improving 54 miles of the Erie Canal, as advertised in Engineering News:

For improving 9 miles from Greenfield's road bridge to Main St. road bridge, at New London, to the Warren-Scharf Asphalt Paving Co., New York, at $242,758.

For improving 8 miles from Main St. road bridge to Durhamville road bridge, to the Warren-Scharf Co., at $212,945.

For improving 9 miles from Durhamville road bridge to New Boston road bridge, to the National Contracting Co., New York, at $232,308.

For improving 6 miles from Kirkville road to Butternut Creek aqueduct, to the National Contracting Co., at $136,720.

For improving 5 miles from Butternut Creek aqueduct to Lock No. 49, to the National Contracting Co., at $127,750.

For improving 6 miles from Lock No. 51 to Centreport road bridge, to John Dunfee & Co., of Syracuse, at $136,600.

For improving 5 miles from Centreport road bridge to Crane Brook aqueduct, to Willoughby B. Priddy, of Spring Lake, at $115,713.

For improving 6 miles from Crane Brook aqueduct to the east line of Wayne county, to Andrew Onderdonk, of New York, at $167,216.

CONTRACT PRICES.

LAYING WATER MAINS.—Boston, Mass.—The contracts for laying water pipes in sections 19 and 23, as advertised in Engineering News, have been awarded by the Metropolitan Water Board to the lowest bidders; the bids were opened Aug. 2 as follows:

Bids for Laying Water Pipes, Section 19, Metropolitan Water-Works, Boston, Mass.

Bidder.	Laying cast-iron pipe: 48-in., 15,800 lin. ft.	36-in., 200 lin. ft.	30-in., for conns., 50 lin. ft.	16-in., for blowoffs, 200 lin. ft.	12-in., for blowoffs, 30 lin. ft.	Excavation: Rock, above grade, 1,400 c. yds	Rock, below grade, 30 cu. yds.	Earth, below grade, 100 c. yds.	Setting 10 air-valves.	Chambers: For 30 & 36-in. valv., 6.	For blowoffs, etc., 20.	Concrete mas'ry, 150 cu. yds.	Total.
E. W. Everson & Co., Boston	$1.70	$1.70	$1.70	$1.70	$1.70	$3.00	$5.00	$2.00	$3.00	$60.00	$30.00	$6.00	$34,269
S. W. Frescoln, Reading, Pa.	1.83	1.30	1.20	.70	.60	2.25	3.00	.75	5.00	70.00	35.00	5.50	34,819
Malone & Farrell, Allston, Mass.	1.80	1.40	1.20	1.00	.80	2.75	6.00	.50	5.00	40.00	35.00	4.50	34,875
D. F. O'Connell, Boston	1.79	1.50	1.50	1.00	.90	3.30	5.00	.90	3.00	70.00	40.00	4.50	35,804
Jos. D. Gennaro, Boston	1.85	1.40	1.30	1.00	.75	3.25	4.00	.60	2.00	39.00	49.00	5.00	36,638
J. H. McKnight, Hyde Park	1.91	1.24	1.24	.73	.73	3.00	3.80	.73	4.00	45.00	38.00	5.00	36,975
T. H. & G. M. Bryne, Hyde Park	1.90	1.50	1.50	1.00	1.00	4.00	4.00	.75	5.00	55.00	35.00	5.50	38,460
H. A. Hanscom & Co., W. Medford	1.98	1.50	1.50	1.50	1.50	3.00	4.00	1.50	3.00	60.00	40.00	5.50	38,624
E. J. Jones & M. Russo, Boston	2.08	1.65	.65	1.00	.45	2.75	6.00	.60	3.50	85.00	35.00	6.00	39,824
C. H. Eglee Co., Boston, Mass.	2.08	1.50	1.50	1.25	1.00	3.25	5.00	1.00	3.00	60.00	40.00	6.00	40,544
C. A. & C. E. Trumbull Lawrence	2.20	1.75	1.75	1.25	1.25	2.75	4.00	1.00	5.00	80.00	40.00	5.00	41,793
C. W. Snyder & Son, Dayton, O.	2.27	2.50	2.25	2.00	2.00	3.00	4.00	.90	3.00	50.00	33.00	5.50	43,385
H. P. Nawn, Boston, Mass.	2.37	1.85	1.75	1.75	1.50	3.00	3.00	1.00	24.00	24.00	24.00	5.00	44,469

Bids for Laying Water Pipes, Section 23, Metropolitan Water-Works, Boston, Mass.

Bidder.	36-in. 7,450 lin. ft.	12-in., for blowoffs, etc., 25 lin. ft.	Rock excav., abv grade, 50 cu. yds.	Rock excav., bel grade, 10 cu. yds.	Earth excav., bel grade, 50 cu. yds.	Setting 1 air valve.	Chambers for blowoffs and air valves, 2	Concrete masonry, 25 cu. yds.	Total.
Bruno & Salamone, East Boston	$1.06	$0.43	$4.00	$5.00	$0.68	$3.00	$45.00	$6.75	$8,454
J. H. McKnight, Hyde Park.	1.19	.60	2.70	3.70	.70	4.00	36.00	5.00	9,289
Saucier & O'Brien, Boston	1.22	1.00	2.70	2.70	.80	2.50	32.00	4.00	9,483
E. W. Everson & Co., Boston	1.20	1.20	3.00	5.00	2.00	3.00	25.00	6.00	9,493
D. Cuozzo, Brooklyn, N. Y.	1.25	.50	2.50	4.00	.75	5.00	25.00	5.00	9,708
C. H. Eglee Co., Boston	1.25	1.00	3.50	5.00	1.00	3.00	40.00	6.00	9,846
S. W. Frescoln, Reading, Pa.	1.27	.60	3.00	4.00	.75	5.00	35.00	6.00	9,929
D. F. O'Connell, Boston	1.34	1.00	4.00	6.00	1.00	3.00	40.00	5.00	10,526
John. D. Gennaro, Boston	1.38	1.00	4.00	4.50	.60	2.00	39.00	5.00	10,786
H. A. Hanscom & Co., West Medford	1.38	1.38	4.00	5.00	1.50	3.00	40.00	5.50	10,861
Neill McBride, Brighton, Mass.	1.45	1.00	3.00	3.00	.50	5.00	50.00	4.00	11,238
Aab & Co., Waltham	1.60	.60	.01	.01	1.20	3.00	32.00	3.00	12,138
Moore & Co., Boston	1.62	1.00	5.00	7.00	1.00	5.00	40.00	6.00	12,699
T. H. & G. M. Bryne, Hyde Park	1.85	1.00	4.00	4.00	.75	5.00	50.00	6.00	14,340

FLAG SIDEWALKS.—Hoboken, N. J.—The board of freeholders opened the following bids Aug. 5 for laying sidewalks on the branch road:

Bidder.	Flag. a lin. ft. 4-ft. cts.	5-ft. cts.	Drainage a lin. ft. cts.
Julius Funesti	16.74	17.74	10
Henry M. Snyder	16	17.75	15
Michael T. Connolly	16	16.9	39
Gregory Lundes	14.5	18.5	55
Palisade Construction Company	14.5	17.75	9
John M. Fitzpatrick & Co	16	16.75	5
Bernard Gannon	16.50	18.25	30
Peter M. Cabe	15.95	15.95	10
Jacob DuBois	16 15-16	16 15-16	16 15-16
Hudson County Contracting Co.	20	17.43	10
Joseph Waddington	16.74	16.74	40
Michael J. Curley	15	17	1

BRICK PAVING.—Bloomington, Ill.—Chas. C. Brown, Consult. Engr., informs us that the following contracts have been awarded to John Cherry for paving with two courses of Bloomington brick on sand: Miller St., 2,128 sq. yds. brick, 1,321 ft. curb, 8 corners 3-ft. radius, at $2,875; Market St., 1,204¼ sq. yds. brick, 409½ ft. curb and 22 corners, all intersections, at $1,640, and 7,488¼ sq. yds. brick and 5,052½ ft. curb, at $11,100; Front St., 531 sq. yds. brick, 166 ft. curb and 6 corners, all intersections, at $600, and 4,629 sq. yds. brick and 2,083 ft. curb, at $6,400; Allen St., 232½ sq. yds. brick and 42 ft. curb, all intersections, $320; 288¼ sq. yds. street car part, at $450, and 1,433 sq. yds. brick and 1,032 ft. curb, at $2,300.

SEWER PIPE.—Huntsville, Ala.—J. D. Humphrey, Chn. Sewer Com., writes us that the contract for 56,000 ft. of sewer pipe, as noted in Engineering News, has been awarded to the Lookout Sewer Pipe Co.; the bids were opened Aug. 5, and were as follows:

Bids Received at Huntsville, Ala., Aug. 5, for Sewer Pipe.

Bidder.	Item.	8-in.	10-in.	12-in.	15-in.	18-in.	20-in.	24-in.
P. Bannon, Louisville, Ky.	Pipe	$0.08½	$0.123	$0.161	$0.23¾	$0.323	$0.44¾	$0.61¾
" " "	6-in. branches	.34	.48¾	.63¾	.93¾	1.27½	1.68¾	2.43
Montague & Co., Chattanooga, Tenn.	Pipe	.07	.10	.14	.18	.28	.42	.54
" " " "	6-in. branches	.30	.45	.50	.90	1.25	1.60	2.50
Lookout Sewer Pipe Co., Chattanooga,	Pipe	.06½	.097	.127	.187	.254	.35	.485
" " " " "	6-in. branches	.30	.40	.55	.70	1.10	1.50	2.20
John Francy's Sons & Co. Toronto, O.	Pipe	.08¾	.12½	.16½	.24	.32½	.43	.65
" " " " "	6-in. branches	.43	.62½	.82	1.20	1.50	2.25	2.75

BRIDGE SUBSTRUCTURE.—New Bedford, Mass.—The bids opened by W. F. Williams, Ch. Engr., Aug. 2 for building the superstructure of middle portion of the New Bedford and Fairhaven bridge were published under Bridges last week. The bids for the substructure were as follows:

Bids Opened Aug. 2 for Substructure of Middle Portion of New Bedford and Fairhaven Bridge.

Bidder.	Dredging, 12,000 cu. yds.	Concrete: No. 1, 2,200 cu. yds.	No. 2, 1,470 cu. yds.	No. 3, 1,435 cu. yds.	Total.	All other work.	Total substructure.	Combnd. sub. and sup'str'c-ture.
Edge Moor Bridge Co.	$0.60	$7.75	$8.00	$6.50	$45,338	$54,000	$99,338	$192,838
O. M. Weand	.50	8.40	7.35	6.30	44,325	73,000	117,325	224,725
Steward & McDermott	.50	8.00	7.00	6.00	42,500	71,500	114,000	212,000
Groton Bridge Co.	.42	8.50	7.50	6.50	44,093	78,000	122,093	230,593
Youngstown Bridge Co.	.65	8.60	7.95	7.00	48,452	79,300	127,752	229,352

SERVICE PIPES.—Bloomington, Ill.—The contract for service pipes in Market St. has been awarded to McGregor & Waddington, at the following prices: North side, ⅝-in. pipe for water, 15 ft. long, $6.95; 13 ft. long, $6.65; 6-in. pipe for sewers, 24 ft. long, $6; 22 ft. long, $5.50; 16 ft. long, $4. South side, water pipe, 21 ft. long, $8.10; 19 ft. long, $7.75; sewer pipe, 16 ft. long, $4; 12 ft. long, $3; 8 ft. long, $2. Chas. C. Brown, Consult. Engr.

BRICK PAVING.—Apollo, Pa.—The contract for paving Warren Ave. and Fourth St. has been awarded to Dager & McKinney, Canton, O., at $1.15 a sq. yd. for Empire brick, with tar filler. The bids ranged from $1.06 to $1.31 a sq. yd., according to the brick and filler bid on.

MUD DREDGING.—New York, N. Y.—The following bids were opened by the department of docks, Aug. 6, for 100,000 cu. yds. mud dredging at 34th St. and North River: P. Sanford Ross, 277 Washington St., Jersey City, N. J., 18 cts. per cu. yd.; Chas. Du Bois, 279 Carroll St., Brooklyn, N. Y. (accepted), 17¾ cts.; Morris & Cumings Dredging Co., 22 State St., New York city, 21 cts.

STREET IMPROVEMENTS.—Baltimore, Md.—W. A. Hanway, Cy. Comr., opened the following bids Aug. 4 for grading, paving, etc.; all local bidders:

Bids Received Aug. 4 at Baltimore, Md., for Street Improvements.

Items.	Pulaski St.[1]: Jas. P. McGovern.	P. Walsh.	P. Keelty.	P. Reddington.*	Girard Ave.[2]: P. Reddington.*	P. Keelty.	Durham Ave.[3]: Jas. P. McGovern.*	P. Reddington.	Payson St.[4]: Jas. P. McGovern.*	P. Reddington.
Grading, per cu. yd.	$0.15	$0.18	$0.15	$0.12½	$0.10	$0.15	$0.15	$0.12	$0.12	$0.12½
Cobble paving, per sq. ft.	.06½	.32	.06½	.06	.06½	.06½	.07	.07½	.06½	.06
5-in. curbstone, per lin. ft.	.65	.60	.60	.60	.60	.60	.70	.60	.65	.60
4½-in. " " "	.50	.60	.45	.50	.50	.50	.50	.50	.50	.50
Flagstone crossings, per sq. ft.	.32	.25	.32	.32	.32	.32	.32	.34	.32	.32
Cobblestone repaving, per sq. ft.	.03½	.06	.03	.03	.03	.03	.03½	.03	.03½	.03½
Resetting curbs and circles, per lin. ft.	.08	.12	.05	.07	.08	.07	.10	.07	.08	.07
Relaying flagstones, per sq. ft.	.04	.12	.02½	.04	.04	.02¾	.06	.04	.05	.04

* Accepted. [1]From Baltimore to Lexington St. [2]From Greenmount to Guilford Ave. [3]From North Ave. to Lauvale St. [4]From Baltimore to Fayette St.

LEVEE WORK.—New Orleans, La.—At the letting of six sections, aggregating 90,000 cu. yds., in the Lake Borgne levee district last week, Thos. Egan, New Orleans, bid 13.47 a cu. yd. for the entire work. The only lower bids were Robt. McNamara, New Orleans, 13 cts. for one section, and E. F. Burke, New Orleans, 12¾ cts. for one section, both of the latter sections being new work.

ASPHALT PAVING.—Bluffton, Ind.—The following bids were opened Aug. 4 for paving 1⅞ miles of streets with asphalt, according to a press report: Indiana Bermudez Paving Co., $1.87 a sq. yd.; Warren-Scharf Asphalt Paving Co., $2.07. The lowest bid for about three blocks of brick paving was that of W. F. Ruddle, Kokomo, Ind.

PAVING, ETC.—New York, N. Y.—The following bids were opened by the department of parks Aug. 2 for regulating and paving with telford pavement the roadway of Mosholu Ave., between Grand and Jerome Aves., and Grand Ave., between Mosholu and Jerome Aves., in Van Cortlandt Park:

Quantities.	Keystone Paving Co.	J. R. Byron, Mt. Vernon, N. Y.	Bart Dunn, 444 East 68th St.
Telford pavement ....6,750 sq. yds.	$0.93	$1.15	$1.20
Rubble stone pavement 200 " "	.70	.50	.75
Dry rubble masonry.. 15 cu. yds.	3.50	3.00	2.00
Vit. stoneware pipe...6,000 lbs.	.02	.02	.02
Total	$6,690	$8,028	$8,400

For regulating and paving with telford pavement certain roadways in Mosholu Parkway, between Van Cortlandt Ave. and Webster Ave:

Quantities.	W. B. Molloy, New Rochelle, N. Y.	Bart Dunn, 444 East 68th St.	W. H. Masterson, 231 E. 86th St.
Telford pavement ....6,710 sq. yds.	$0.60	$0.95	$0.85
Rubble pvmt in gutters 300 " "	.75	.75	.70
Dry rubble masonry .. 70 cu. yds.	2.50	2.00	1.50
Vit. stoneware pipe ..7,500 lbs.	.015	.02	.02
Total	$4,539	$6,890	$6,169

Also for regulating and paving with macadam pavement the roadway of Boston road in Bronx Park, between East 181st St and the easterly line of Bronx Park:

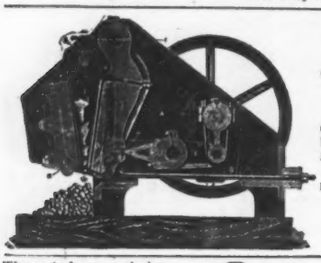
Quantities.	Bart Dunn.	J. R. Byron.
Macadam pavement ..9,800 sq. yds.	$1.20	$1.15
Rubble pvmt in gutters 100 " "	.75	.50
Dry rubble masonry. 30 cu. yds.	2.00	3.00
Vit. stoneware pipe...6,000 lbs.	.02	.02
Total	$12,015	$10,530

STREET WORK.—Wilmington, Del.—The street and sewer department opened the following bids Aug. 3: Davidson Bros.—Paving side gutters, 14¾ cts. per sq. yd.; paving cross gutters, 16¼ cts.; grading and laying crossings, 35½ cts.; setting new curb, 8½ cts. a ft.; resetting old curb, 8¾ cts.; straightening old curb, 5 cts.; paving with rubble stone, 13¼ cts. a sq. yd.; John T. Simmons—Grading and laying side gutter, 14½ cts. a sq. yd.; paving side gutters, 10 cts.; grading and laying crossings, 35 cts.; laying crossing, 25 cts.; grading and laying cross gutters, 15 cts.; laying cross gutter, 10 cts.; setting new curb, 11½ cts. a ft.; resetting old curb, 14½ cts.; straightening old curb, 9 cts.; paving with rubble stone, 14½ cts. a sq. yd.; Simmons & Brothers—Paving and grading side gutters, 33 cts. a sq. yd.; paving side gutters, 15 cts.; paving and grading crossings, 48 cts.; paving crossings, 28 cts.; setting new curb, 11 cts. a ft.; resetting old curb, 15½ cts.; straightening old curb, 11 cts.; paving with rubble stone, 13 cts. a sq. yd.; paving with fire bricks, 5½ cts. a sq. yd.; Stafford & Walls—Laying and grading side and cross gutters, 18 cts. a sq. yd.; laying side and cross gutters, 11 cts.; laying and grading crossings, 42 cts.; laying crossings, 31 cts.; paving with rubble stone, 11 cts.; setting curb, 9 cts. a ft.; resetting old curb, 11 cts.; straightening old curb, 8 cts. The contracts were not awarded.

COLUMBIA CONSTRUCTION CO.,

Importers and Refiners of **TRINIDAD ASPHALT** FOR STREET PAVING.

Main Office, 35 HERALD BLDG., SYRACUSE, N.Y. New York Office. 1210 LORD'S COURT BLDG, 27 WILLIAM ST. Refinery at Jones' Point.



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CHEAP. Simplest in Construction. BEST.

We also Manufacture:

Wheeled Scrapers, Drag Scrapers, Plows, Dump Cars, Dump Wagons, Road Graders, Wheelbarrows, Elevating Grader, Pitcher and Wagon Loader, and kinds of Contractors' Supplies.

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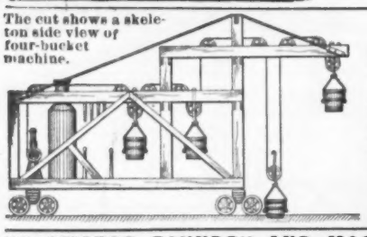
The cut shows a skeleton side view of four-bucket machine.



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For Excavating and Refilling all kinds of Trenches We built three sizes, to carry 2, 3 or 4 buckets holding 10, 18, or 27 cu ft. each as desired. Car is self-propelled. Each bucket is independent of the other. Trucks under car are swiveled and will follow any curve and turn corners. **It requires only one man to run it.** Ask us more about it. Address **GEO. D. GRANNIS, Grand Opera House, Syracuse, N. Y.**

KALAMAZOO FOUNDRY AND MACHINE CO., Kalamazoo, Mich.

The simplest, strongest, most durable and cheapest Sewer Brace on the market.

THE ONLY BRACE MADE WITH STEEL SCREW.

EXTENSIBLE TRENCH BRACE.

The only trench brace that will, and has stood the test. Beware of cheap and worthless imitations.

Write for Prices and Circulars of our Patent Combined Iron and Timber Brace for large excavations.

THE DUNN MFG. CO., Limited. Pittsburg, Pa.

RIFE HYDRAULIC ENGINE.

EFFICIENT UTILIZATION OF LOW WATER HEADS FOR

TOWN WATER SUPPLY.

With two feet or more fall, this engine will automatically raise water 36 feet for every foot of fall, with an efficiency of 75 per cent.

Potable water pumped by means of impure water

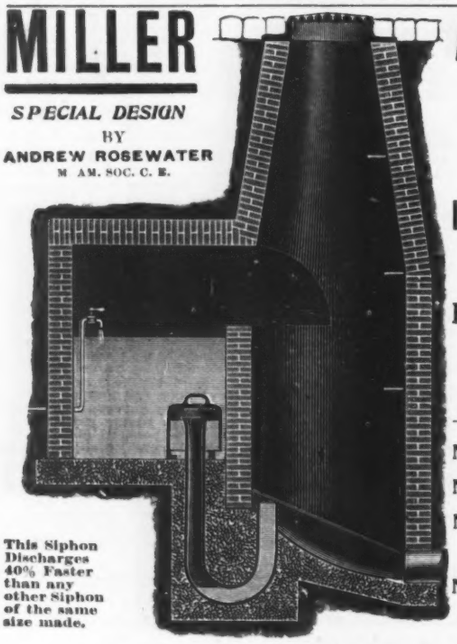
COST INSTALLMENT, **LOW.**
COST MAINTENANCE, **TRIFLING.**
COST OPERATION, . . **NOTHING.**

POWER

Power Specialty Co., 126 Liberty St., N. Y.

MILLER AUTOMATIC SIPHON

SPECIAL DESIGN BY **ANDREW ROSEWATER** M. AM. SOC. C. E.



This Siphon Discharges 40% Faster than any other Siphon of the same size made.

—FOR—

INTERMITTENT FLUSH TANKS.

For Flushing Street Sewers and for Sub-Soil Irrigation.

No Moving Parts.
No Valves.
No Small Tubes to Clog or Choke.
Nothing Whatever to Get Out of Order.

SEE NEXT WEEK FOR STANDARD DESIGN.

Received Highest Award at World's Columbian Exposition of 1893 for

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We guarantee every Siphon to be absolutely reliable, no matter how small the supply stream may be.

MANUFACTURED BY

PACIFIC FLUSH TANK CO.,

Write for Catalogue and Prices. **84 La Salle St., CHICAGO.**

PUMPING ENGINE FOR FOURTEENTH STREET PUMPING STATION.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, July 30, 1897.

Sealed proposals will be received by the City of Chicago until 11 a. m., Wednesday, September 1, 1897, for furnishing and erecting on the foundations to be constructed at the 14th Street Pumping Station in the City of Chicago, one vertical condensing triple expansion pumping engine of thirty (30) million gallons capacity per twenty-four hours, with a total lift of one hundred and fifty (150) feet, together with necessary boilers and all accessories and appurtenances.

According to plans and specifications on file in the office of the Department of Public Works.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, indorsed "Proposals for new pumping engine for 14th Street Pumping Station," and be accompanied with Eight Thousand ($8,000) Dollars in money, or a certified check for the same amount on some responsible bank doing business in the City of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids.

Due consideration will be given to general merits of design, durability of construction, economy of operation and maintenance, facility for repairs and proven performance and record of similar works in actual service elsewhere.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources, to fulfil the conditions of the contract and specifications, provided such contract should be awarded to him.

Companies or firms bidding must give the individual names as well as the name of the firm with their address.

Bids will not be received after the hour above-named.

L. E. McGANN,
Commissioner of Public Works.
by A. J. TOOLEM,
31-4t Deputy Commissioner of Public Works.

PUMPING ENGINE FOR SALE.

FOR SALE.—One five-million-gallon, Worthington, high-duty pumping engine.

This engine has been used at the Eastern Pumping Station of the Baltimore City Water Department since 1892, and is in first-class repair; having been in service up to June 15th, 1897.

The engine was removed as the service required a larger engine.

The engine is of the Worthington compound type, with high-duty attachment, and is as good as new; having been carefully cared for.

The engine has given in regular service a duty from 75,000,000 to 85,000,000 foot pounds, pumping 6,500,000 gallons in twenty-four hours.

For price and other details, apply to NICHOLAS S. HILL, JR., Chief Engineer Water Department, City Hall, Baltimore, Md. 30-3t

PAVEMENT ON WASHINGTON STREET,

CITY CLERK'S OFFICE, BINGHAMTON, N. Y., Aug. 4, 1897.

Notice is hereby given that sealed proposals for paving Washington Street, from the present northerly terminus of the asphalt pavement on said street northerly to the asphalt pavement on Lewis Street, in accordance with the specifications prepared by the City Engineer, and now on file in the City Clerk's office, will be received by the Common Council until 7.30 o'clock p. m., August 18th, 1897. Proposals will be received by the said Common Council for paving with either Trinidad Lake Asphalt, Alcatraz Asphalt, Bermudez Asphalt, Sicilian and German Rock Asphalt, Dundonnald Deposit Trinidad Asphalt, Trinidad Land Asphalt, or best quality vitrified brick. Each bidder will be required to state in his proposal the kind of material which he proposes to use, which shall be one of the kinds named in the specifications.

Blank proposals may be obtained of the City Clerk at his office.

BURR W. MOSHER,
31-2t City Clerk.

PROPOSALS FOR DREDGING IN GALENA RIVER, ILL.—U.S. Engineer Office, Rock Island, Ill., Aug. 7, 1897.—Sealed proposals, in duplicate, will be received here until 11 a. m., Sept. 7, 1897, and then publicly opened, for dredging in Galena River. Information furnished on application to Lieut. CHARLES KELLER, Engrs. 32-4t

ASPHALT PAVING.

AKRON, O.

Sealed bids will be received at the office of the Board of City Commissioners until 12 o'clock noon, Saturday, August 21, 1897, for the construction of an Asphalt pavement on Howard Street, from Main Street to Tallmadge Street.

Proposals are wanted on all kinds of Asphalt pavements, with specifications submitted subject to the general specification on file.

Amount of deposit with bid, $500.00. For general specifications and information, address the undersigned.

S. W. PARSHALL,
30-3t City Civil Engineer.

ELECTRIC LIGHTS

GREENFIELD, IND.

The city of Greenfield, Indiana, will receive bids up to and including the 18th day of August, 1897, for the lighting of said city with sixty or more arc lights of 2,000 candle power, for one, two, three, five and ten years. Bids to be made on moon schedule, midnight and all night, and per lamp. City reserves the right to reject any and all bids. Estimated population of said city, 6,000. For further information address

WM. R. McKOWN,
City Clerk, Greenfield, Ind.

GASOLINE LIGHTING

SIOUX CITY, IOWA.

Sealed proposals will be received by the City of Sioux City, Ia., at the office of the City Clerk, up to 8 o'clock p. m.,

TUESDAY, AUGUST 17,

for the furnishing and lighting of 300 or more gasoline street lamps in the streets and alleys of Sioux City, Ia.

Proposals to be for furnishing and lighting said lamps for the following periods, to wit: For one year, for two years, or for three years, respectively.

All bids must be accompanied by a certified check in the sum of $1,000 as a guarantee that the successful bidder will enter into a contract and give a good and sufficient bond, to be fixed and approved by the City Council, for the faithful performance of said contract.

The City Council reserves the right to reject any or all bids.

By order of the City Council.

A. J. SIMAN,
32-1t Chairman Light Committee.

The Collection, Removal and Final Disposition of Garbage, Ashes, Etc., for a Period of Five Years.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, August 3, 1897.

Sealed proposals will be received by the city of Chicago until 11 a. m., Friday, Sept. 3, 1897, for furnishing all wagons, carts, teams, machinery, tools, implements and labor of every description whatsoever necessary to collect and remove, and to collect and remove all garbage, ashes and rubbish from the streets, alleys and public places of said city, and to make such final disposition of the same as shall be necessary to comply with the specifications on file in the office of the Department of Public Works, for a period of five years commencing January 1, 1898.

Bidders may submit proposals for the work to be done in each district separately, or any number or all of said districts.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, endorsed, "Proposals for Collection, Removal and Final Disposition of Garbage, Ashes, Etc.," and be accompanied with ten thousand ($10,000) dollars in money or a certified check for the same amount on some responsible bank doing business in the city of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids, and to accept bids as applied to each district separately, or any number of districts, or to let the whole in bulk, as he shall elect.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources, to fulfill the conditions of the contract and specifications, provided such contract should be awarded to him.

Companies or firms bidding must give the individual names as well as the name of the firm, with their address.

Bids will not be received after the hour above named.

L. E. McGANN,
32-3t Commissioner of Public Works.

Other Proposals, Pages XXVI & XXVII

BRICK PAVING.—Troy, N. Y.—The contract for paving 8th St., from Hoosick St. to North Adams St., with brick was awarded last week to Casey & Cavanaugh, at $1.70 a sq. yd.; total, $6,523.

BLOCK AND SHEET ASPHALT PAVING.—Washington, D. C.—The bids opened by the district commissioners July 31, as advertised in Engineering News, are given as follows in the "Star:" Asphalt block paving in certain streets, Washington Asphalt, Tile & Block Co., $1.77 a sq. yd.; Maryland Paving Co., $1.79. Paving streets with sheet asphalt, Eastern Bermudez Asphalt Paving Co., $1.70 a sq. yd. for asphalt paving and $1.30 a sq. yd. for paving gutters with vitrified brick; for doing all the work the company bid $1.65 a sq. yd. for paving and $1.30 for vitrified brick. Gutters: Southern Asphalt Paving Co., $1.79 for asphalt paving and $1.50 for brick, or for the entire work, $1.59 for asphalt and $1.39 brick. The Barber Asphalt Paving Co., $1.56 to $1.60 a sq. yd. for asphalt and $1.27 for paving gutters with vitrified brick: Cranford Paving Co., $1.54 to $1.58 for asphalt, and $1.28 for brick; Fruin-Bambrick Construction Co., $1.72 a sq. yd. for asphalt and 96 cts. for paving the gutters with vitrified brick; for the entire work, $1.69 for asphalt and 93 cts. for brick.

SEWERS.—Kansas City, Mo.—The contract for constructing sewers in district No. 55 was awarded July 31 to the Robt. J. Boyd Paving & Contracting Co., 315 American Bank Bldg., the bids being as follows; all local bidders:

CONDUIT.—Erie, Pa.—The following bids were received by Benj. E. Briggs, Cy. Engr., for the construction of a 3-in. duct conduit in State St., from 2d St. to 18th St., 5,900 ft.; average excavation, about 5 ft.; class A manhole, square, 58×58×84 ins., castings furnished by the city; class B manhole, oblong, 54×72 ins., and 84 ins. deep; about 6,000 ft. of conduit or 55,000 ft. of ducts:

WATER PIPE CONNECTIONS.—Suisun, Cal.—The town trustees received the following bids July 15 for furnishing the material, etc., and making connections with the water mains: J. W. Kerns: 1-in. pipe, 7 cts. a ft.; ¾-in. pipe, 4½ cts. a ft.; ½-in. pipe, 4 cts. a ft.; 1-in. elbows, 7 cts. each; ¾-in. elbows, 5 cts. each; ½-in. elbows, 5 cts. each; curb boxes, 65 cts. each, and tapping main, $1.50 each. A.

Bids opened at Erie, Pa., Aug. 2, for Constructing a 3-in. Duct Conduit.

Bidder.	Conduit 5-duct.	Conduit 8-duct.	Conduit 9-duct.	Conduit 12-duct.	Conduit 16-duct.	Conduit 24-duct.	3-in. w. i. pipe, pr ft.	Manholes, Class A.	Manholes, Class B.	Service box.	Pvmt relaid. Asp., sq.yd.	Pvmt relaid. Conc. or brick sq.yd
B. I. Crooker, Buffalo, N. Y.	$0.118	$0.104	$0.10	$0.095	$0.093	$0.085	$0.25	$40.00	$21.00	$5.00	$2.50	$1.50[1]
" " "	.115	.11	.095	.09	.09	.075	.25	40.00	21.00	5.00	2.50	1.50[2]
McLaughlin & Kelley, Northeast, Pa.	.17	.145	.14	.14	.138	.13	.47	57.50	47.50	25.50	2.50	2.00[1]
V. D. Eichenlaub, Erie, Pa.	.225	.21	.20	.18	.16	.145	.25	36.76	26.25	6.25	2.25	1.50[1]
" " "	.15	.145	.14	.12	.11	.095	.25	36.76	26.25	6.25	2.25	1.50[2]
Jno. McCormick & Son, Erie, Pa.	.20	.19	.18	.16	.14	.12	.50	50.00	35.00	4.00	2.10	.50[1]
" " "	.18	.17	.16	.14	.12	.10	.50	50.00	35.00	4.00	2.10	.50[2]
Liphart & Winterhalter, Detroit	.17	.14	.13	.115	.10	.095	.35	45.00	30.00	10.00	2.00	1.00[1]
" " "	.17	.14	.13	.115	.10	.095	.35	45.00	30.00	10.00	2.00	1.00[2]

[1]Camp tile. [2]Creosoted wood pipe. Contract awarded to B. I. Crooker, for the Camp vitrified salt-glazed tile; material selected by the tossing up of a copper.

Bids Received at Kansas City, Kan., July 31 for Constructing Sewers in District No. 55.

Quantities.		W. W. DeWolf & Co.	Cotter, McDonnell & Co.	P. McDonald.	M. Walsh.	Robt. J. Boyd P. & C. Co.	R. Gray & Co.
24-in. pipe	1,241 lin. ft.	$4.05	$2.28	$4.05	$1.90	$2.00	$1.75
21-in. "	1,759 " "	3.53	2.08	3.53	1.65	1.67	1.35
18-in. "	845 " "	2.81	1.64	2.81	1.10	1.15	.95
15-in. "	823 " "	3.44	1.29	3.44	1.10	1.20	1.05
12-in. "	1,113 " "	3.23	1.04	3.23	.85	1.05	.83
10-in. "	412 " "	1.52	.58	1.52	.45	.45	.45
18-in. " catchbasin connection	150 " "	.84	1.48	.84	.70	.80	..
15-in. " " " "	230 " "	.72	1.19	.72	.55	.65	.55
12-in. " " " "	410 " "	.60	.80	.60	.40	.55	.45
10-in. " " " "	350 " "	.54	.92	.54	.35	.50	.40
Rock excavation	4,500 cu. yds.	.05	2.25	.05	2.15	1.85	2.50
Catchbasins	18 each	19.45	22.00	19.45	20.00	25.00	18.00
Manholes	20 "	40.35	37.00	35.35	31.00	35.00	28.00
Alley drops	3 "	25.20	6.00	25.20	31.00	5.00	19.00
Lumber	10 M. ft.	15.00	30.00	15.00	20.00	25.00	20.00
Total		$22,996	$23,057	$22,896	$19,693	$19,143	$20,164

S. Morton (accepted): ½-in. pipe with elbows, 12½ cts. a ft.; ¾-in. pipe with elbows, 13½ cts. a ft.; 1-in. pipe with elbows, 16 cts. a ft.; curb cocks and curb boxes, ½-in. 95 cts each, ¾-in. $1.00 each, 1-in. $1.10 each.

PAVING, ETC.—Minneapolis, Minn.—Bids were opened July 30 as follows:

Paving 7th St, with brick, 17,844 sq. yds.	A sq. yd.
Canney Bros., Minneapolis, Minn.	$1.90
J. W. Flutham, Minneapolis, Minn.	2.04
Des Moines (Ia.) Brick & Mfg. Co.	1.99
Iowa Brick Co., Des Moines, Ia.	2.02

Paving Nicollet Ave. with sheet asphalt, from 10th to 13th St. 6,858 sq. yds.—Warren-Scharf Asphalt Paving Co., by J. W. Robbins, Supt., Minneapolis, $2.45 a sq. yd. for paving, and 9 cts. a sq. yd. a year for maintenance after expiration of guarantee; Ayres Asphalt Co., Zanesville, O., $2.18 and 9 cts, respectively. For furnishing 3,500 cu. yds. crushed stone, and 50 cu. yds. screenings for the reservoir—J. W. Ellis, $1.43 and 65 cts., respectively, for furnishing crushed stone and screenings; Hill & McLeod, $1.39 and $1; John Flutham, $1.75 and $1.

NEW YORK STATE CANALS.

Notice to Contractors.

Office of the Superintendent of Public Works.

Albany, N. Y., Friday, Aug. 6th, 1897.

Pursuant to chapter 79, laws of 1895, chapter 794, laws of 1896, and chapters 43 and 569, laws of 1897, sealed proposals for work on the

Eastern and Middle Divisions

will be received by the Superintendent of Public Works at his office in Albany, N. Y., until

Tuesday, August 24th, 1897,

at 12 o'clock noon of that day, and for work on the

Western Division,

sealed proposals will be received by the Superintendent of Public Works, at his office in Albany, N. Y., until

Friday, September 3d, 1897,

at 12 o'clock noon of that day, for the following pieces of work. The work will be bid for and let separately, and every proposal for each piece of work hereinafter designated must be accompanied by a draft on some good banking institution of the City of New York, or Albany, issued by a national or state bank in good credit within the state, payable at sight to the Superintendent of Public Works. The amount of deposit will be 5 per cent. of the proposal, and will be retained as a part of the security until the completion of the work; the amount of labor bond required on execution of contract will be 40 per cent. of the proposal, and the amount of bond for the faithful performance of contract on execution of contract will be 45 per cent. of the proposal:

CONTRACT NO. 1.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 18 to Lock No. 19, a distance of 8.86 miles.

CONTRACT NO. 14.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 30 to Lock No. 31, a distance of 13.84 miles.

CONTRACT NO. 15.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 29 to Lock No. 30, a distance of 0.67 miles.

CONTRACT NO. 16.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 45 to the east line of Oneida county, a distance of 6.77 miles.

CONTRACT NO. 17.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 19 to Lock No. 20, a distance of 2.71 miles.

CONTRACT NO. 18.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 24 to Lock No. 25, a distance of 3.8 miles.

CONTRACT NO. 19.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 25 to Lock No. 27, a distance of 6.59 miles.

CONTRACT NO. 20.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 31 to Lock No. 32, a distance of 6.31 miles.

CONTRACT NO. 21.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 34 to Lock No. 35, a distance of 3.17 miles.

CONTRACT NO. 22.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 35 to Lock No. 36, a distance of 4.37 miles.

CONTRACT NO. 23.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 40 to Lock No. 41, a distance of 2.64 miles.

CONTRACT NO. 24.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 41 to Lock No. 42, a distance of 2.86 miles.

CONTRACT NO. 25.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Bridge No. 55 to Lock No. 23, a distance of 3.6 miles.

CONTRACT NO. 26.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 23 to Lock No. 24, a distance of 0.79 mile.

CONTRACT NO. 27.—EASTERN DIVISION.

For improving the Eastern Division of the Erie Canal, from Lock No. 39 to Lock No. 40, a distance of 2.76 miles.

CONTRACT NO. 23.—MIDDLE DIVISION.

For improving the Middle Division of the Erie Canal, from a point 100 feet west of New Boston Road Bridge to a point 100 feet west of Kirkville Road Bridge, a distance of 7.2 miles.

CONTRACT NO. 6.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from a point 1,000 feet west of Hurd's Bridge No. 148, station 310, section 20, westerly to the foot of Lockport Locks, a distance of 8.45 miles.

CONTRACT NO. 7.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Shelby Basin Bridge No. 142, station 0, section 20, westerly to 1,000 feet west of Hurd's Bridge No. 148, station 310, section 20, a distance of 5.87 miles.

CONTRACT NO. 8.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from 700 feet west of Long's Bridge No. 134, station 320, section 19, westerly to Shelby Basin Bridge No. 142, station 768 plus 42, section 19, a distance of 8.50 miles.

CONTRACT NO. 9.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Brailey's Bridge No. 125, station 0, section 19, westerly to 700 feet west of Long's Bridge No. 134, station 320, section 19, a distance of 6.06 miles.

CONTRACT NO. 10.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from 1,000 feet east of Holley's Bridge No. 115, station 350, section 18, westerly to Brailey's Bridge No. 125, station 795 plus 60, section 18, a distance of 8.44 miles.

CONTRACT NO. 11.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Cooley's Basin Bridge No. 106, station 0, section 18, westerly to a point 1,000 feet east of Holley Bridge No. 115, station 350, section 18, a distance of 6.63 miles.

CONTRACT NO. 12.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from a point 600 feet east of Norman's Bridge No. 97, station 430, section 17, westerly to Cooley's Basin Bridge No. 106, station 749 plus 01, section 17, a distance of 6.04 miles.

CONTRACT NO. 13.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from Rowe Street Bridge No. 86, Rochester, station 0, section 17, westerly to a point 600 feet east of Norman's Bridge No. 97, station 430, section 17, a distance of 8.14 miles.

CONTRACT NO. 14.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from the head of Lock No. 66, station 255, section 16, westerly to Rowe Street Bridge No. 86, Rochester, station 486.41, section 16, a distance of 4.38 miles.

CONTRACT NO. 15.—WESTERN DIVISION.

For improving the Western Division of the Erie Canal, from the head of Lock No. 62, station 0, section 16, westerly to the head of Lock No. 66, station 255, section 16, a distance of 4.83 miles.

Plans and specifications, notices and form of contract may be seen from the date of publication of this notice to the date fixed for the receipt of proposals, at the office of the Superintendent of Public Works, in Albany, N. Y., and at the office of Thomas Wheeler, Assistant Superintendent of Public Works, in Syracuse, N. Y., and at the office of R. G. Lay, Assistant Superintendent of Public Works, in Rochester, N. Y. All proposals for the above work must be addressed to the Superintendent of Public Works, at Albany, N. Y., and must be endorsed on envelope, "Proposals for Contract No. ——. EASTERN, MIDDLE, or WESTERN DIVISION," as the case may be. The right is reserved to reject any or all bids.

GEORGE W ALDRIDGE,
Superintendent of Public Works.

32-2t

BOSTON SUBWAY.

NOTICE TO CONTRACTORS.—City of Boston.—Boston Transit Commission.—Sealed bids for building Section 11 of the Subway will be received at the office of the Commission, 20 Beacon Street, Boston, Mass., till 12 o'clock m. of Thursday, Sept. 2, 1897. Each bid must be accompanied by a certified check for the sum of $2,500. The section is under and near the site of the old Boston & Maine station at Haymarket Square. A portion of the subway will be an open incline, and the remaining portion will be covered. The structure will consist of a combination of steel and masonry. Some of the items are estimated to be as follows: 19,300 cubic yards earth excavation; 330 tons iron and steel, furnished by the Commission, to be set in place; 7,000 cubic yards concrete and brick masonry; 22,000 linear feet of piles in place. Plans can be seen and specifications and forms of contract can be obtained at 20 Beacon St., fifth floor. A bond will be required for the faithful performance of the contract in a sum of 20 per cent. of the amount. The Commission reserves the right to reject any and all bids and reserves the right to award the contract as it deems for the best interest of the city of Boston. GEORGE G. CROCKER, Chairman; CHARLES H. DALTON, THOMAS J. GARGAN, GEORGE F. SWAIN, HORACE G. ALLEN, Boston Transit Commission; HOWARD A. CARSON, Chief Engineer; B. LEIGHTON BEAL, Secretary. 32-3t

OFFICE OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA, Washington August 2d, 1897.—Sealed proposals, endorsed "Proposal to furnish WATER FILTERS," will be received at this office until 12 o'clock m., on Tuesday, September 7th, 1897. Blank forms of proposals and specifications may be obtained by addressing this office. A certified check for $100 on some bank in the District of Columbia, or a certificate of the Collector of Taxes of said District that $100 has been deposited with him, must accompany each proposal as a guarantee that the bidder will enter into contract as proposed by him if his bid should be accepted. The right to reject any and all bids is reserved. JOHN W. ROSS, JOHN B. WIGHT, W. M. BLACK, Commissioners, D. C. 31-4t

PROPOSALS FOR COLLECTION AND DISPOSITION OF GARBAGE.

OFFICE OF THE CITY CLERK, MINNEAPOLIS, MINN., July 24, 1897.

Sealed proposals will be received at this office until Friday, Aug. 27, 1897, at 7:30 p. m., at which time said proposals will be submitted, unopened, to the City Council, for the collection and disposition of garbage, dead animals, ashes, etc., in the City of Minneapolis, Minn. Proposals to be made for the following items, separately or collectively:

First. For collection and disposition of ashes, according to Specification A. A certified check in the sum of one hundred ($100) dollars to accompany each proposal.

Second. For collection and delivery to crematory or reduction works of garbage and dead animals, according to Specification B. A certified check in the sum of five hundred ($500) dollars to accompany each proposal.

Third. For disposal of garbage, night soil, dead animals, etc., according to Specification C. A certified check in the sum of five thousand ($5,000) dollars to accompany each proposal.

All of said proposals to be made in accordance with specifications on file in the office of the Commissioner of Health. The said certified checks are to be made payable to C. S. Hulburt, City Treasurer, as a guaranty for the execution of contract if awarded.

All proposals must be printed or written in ink, addressed to the undersigned, and marked on the envelope "Proposal for Collection and Disposition of Garbage." Said proposals to also bear on the outside of the envelope the name of the bidder or bidders. The right to reject any or all proposals is hereby reserved.

By order of the City Council.

L. A. LYDIARD,
32-2t City Clerk.

PROPOSALS FOR CONSTRUCTION OF DAMS, SHORE PROTECTIONS AND LEVEES, AND FOR DREDGING, ON UPPER MISSISSIPPI RIVER. U. S. Engineer Office, Rock Island, Ill., July 15, 1897.—Sealed proposals, in duplicate, will be received here until 11 a. m., Aug. 14 1897, and then publicly opened, for construction of dams and shore protections: (1) between Minneiska and Queens Bluff, Minn.; (2) between Prairie du Chien, Wis., and Dubuque, Ia.; (3) between Dubuque and Le Claire, Ia.; (4) between Rock Island and Keithsburg, Ill.; (5) between Keokuk, Ia., and Quincy, Ill.; (6) between Hamburg, Ill., and mouth of Illinois River; for dredging (7) at Dubuque, Ia.; (8) at Muscatine, Ia.; for construction of levees (9) between Flint Creek and the Iowa River, Ia. Information furnished on application to Lieut. CHARLES KELLER, Engrs. 29-4t

U. S. ENGINEER OFFICE, Chattanooga, Tenn., August 2, 1897.—Sealed proposals for HIRE OF DREDGING PLANT will be received here until noon, Tuesday, August 31, 1897, and then publicly opened. Information furnished on application to DAN. G. KINGMAN, Capt. of Engrs. 31-4t

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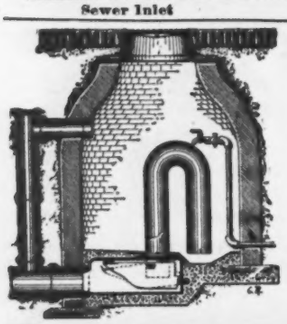

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L. WILSON,
53 Dearborn St., Chicago

PROPOSALS FOR FORGED STEEL PROJECTILES for Seacoast Cannon.—Ordinance Office, War Department, Washington, August 2, 1897.—Sealed proposals, in duplicate, will be received here until 3 o'clock p. m., September 2, 1897, and then publicly opened, for furnishing the Ordnance Department, U. S. Army, with the following projectiles, more or less: 195 8-inch A. P. shot (large core), 605 10-inch A. P. shot (large core), 150 12-inch A. P. shot (large core), 270 12-inch D. P. mortar shell of 800 pounds weight, and 50 12-inch D. P. mortar shell of 1,000 pounds weight. Bids will be received for all or part of foregoing. Information furnished upon application to Brig. Gen. D. W. FLAGLER, Chief of Ord. 31-4t

For Other Proposals see Page XXVII

ASPHALT PAVING.

CAMDEN, N. J.

Sealed proposals, addressed to the Committee on Streets and Highways, will be received on Monday evening, August 16th, 1897, at eight o'clock p. m., at the office of the Highway Department, City Hall, Camden, N. J., for furnishing material and labor to perform the following work in pursuance with specifications to be seen at the office of the City Engineer, City Hall, Camden, N. J., for paving the following streets with sheet asphalt:

Broadway, from Federal to Emerald Street; Kaigns Avenue, from Front Street to Haddon Avenue; Federal Street, from Delaware Avenue to Amboy Division of the Pennsylvania Railroad; Market Street, from Delaware Avenue to Federal Street; Haddon Avenue, from Federal Street to Line Street; Cooper Street, from Delaware Avenue to the Camden & Atlantic Railroad.

A certified check or cash to the amount of five hundred dollars ($500.00) shall accompany each street bid. Successful bidders' checks or cash shall be forfeited unless the contracts awarded shall be signed by the contractors. Bids will be publicly opened by the Committee on Streets and Highways, who reserve the right to reject any or all bids and to waive any defects.

HARRY C. SHARP,
Chairman Committee Streets and Highways.
L. E. FARNHAM,
City Engineer. 31-2t

U. S. ENGINEER OFFICE, Charleston, S. C., Aug. 10, 1897.—Sealed proposals for furnishing and delivering materials and constructing a GUN EMPLACEMENT on Sullivan Island, S. C., will be received here until 12 m., Sept. 9, 1897, and then publicly opened. Information furnished on application. FREDERIC V. ABBOT, Capt., Engrs. 32-4t

U. S. ENGINEER OFFICE, Army Building, New York, July 25, 1897.—Sealed proposals, in triplicate, for construction of RIPRAP WALL on eastern beach of Sandy Hook, N. J., will be received here until 12 m., Aug. 25, 1897, and then publicly opened. Information furnished on application. WILLIAM LUDLOW, Lieut. Col., Engrs. 31-3t

ARTESIAN WELLS.

SCRANTON, MISS.

Sealed proposals will be received at the Mayor's Office, Scranton, Miss., until 12 o'clock noon, August 18th, 1897, for sinking and furnishing materials for a 6-inch artesian well, which will probably be about 500 feet deep. No bid will be considered unless accompanied by cash or certified check payable to the order of the Treasurer of the Town of Scranton, Miss., for 3% of the amount of the bid, to insure good faith and to be forfeited to the Town of Scranton if the bidder fails to enter into a contract and file a satisfactory bond within 5 days after notice has been given that he has been awarded the contract. Specifications may be obtained by addressing J. D. Clark, Mayor pro tem., Scranton, Miss., to whom all proposals or other communications are to be addressed. Bids must state fully and clearly therein just how the bidder proposes to finish the well on the bottom. The right to reject any or all bids is reserved.

W. W. FARNSWORTH, Mayor,
J. D. CLARK, Alderman and Mayor pro tem.,
J. A. MILLER, Alderman.
Members of the Water and Light Committee of the Town Council. 31-2t

STEEL WATER TOWER.

JACKSONVILLE, FLA.

Sealed bids will be received by the Board of Trustees for the water-works and improvement bonds of the City of Jacksonville, Fla., until 3 p. m., Tuesday, Sept. 7, 1897, for furnishing all materials and erecting complete on foundations a steel water-tower. Tower to be 100 feet in height above foundations; the tank on tower to be 30 feet in diameter and 45 feet in height, with conical bottom and roof.

With bid must be submitted a certified bank check, in the sum of one thousand dollars, payable to the chairman of the Board. Specifications can be had and plans seen at the office of the Board. For further information, apply to R. N. ELLIS, C. E., Superintendent.

The Board reserves the right to reject any or all bids. Informal bids will not be received.

B. F. DILLON,
32-1t Chairman.

PUMPING ENGINE FOR 68th ST. PUMPING STATION.

OFFICE OF THE DEPARTMENT OF PUBLIC WORKS, CHICAGO, ILL., August 5, 1897.

Sealed proposals will be received by the City of Chicago until 11 a. m., Monday, Sept. 6, 1897, for furnishing and erecting on the foundations to be constructed at the 68th Street Pumping Station in the City of Chicago, one horizontal compound condensing pumping engine of fourteen (14) million gallons capacity per twenty-four hours, with a total lift of one hundred and fifty (150) feet, together with necessary boilers and all accessories and appurtenances, according to plans and specifications on file in the office of the Department of Public Works of said city.

Proposals must be made out upon blanks furnished at said office, and be addressed to said Department, endorsed "Proposals for New Pumping Engine for 68th Street Pumping Station," and be accompanied with five thousand ($5,000) dollars in money or a certified check for the same amount on some responsible bank doing business in the City of Chicago, and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids. Due consideration will be given to general merits of design, durability of construction, economy of operation and maintenance, facility for repairs and proved performance and record of similar works in actual service elsewhere.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources to fulfil the conditions of the contract and specifications provided such contract should be awarded to him.

Companies or firms bidding will give the individual names as well as the name of the firm with their address.

L. E. McGANN,
32-3t Commissioner of Public Works.

WATER-WORKS AND ELECTRIC LIGHT PLANT.

SCRANTON, MISS.

Sealed proposals will be received by the Board of Mayor and Aldermen at the Mayor's Office, at Scranton, Miss., up to 12 o'clock noon of Monday, August 30th, 1897, for furnishing the materials and constructing a system of water-works and electric lights for said town. There will be required approximately the following:

21,600 feet of 4, 6, 8 and 10-inch cast-iron pipe and 10,000 lbs. specials.
35 double-nozzle fire hydrants, with 4-inch bottom connection and 2½-inch nozzles.
2 10-inch, 2 8-inch, 3 6-inch and 12 4-inch valves and valve boxes.
1 10-inch hydraulic valve.
2 80-HP. return tubular boilers, fittings, etc.
2 boiler feed pumps.
2 duplex combined fire and service pumps, each with a daily capacity of 750,000 gallons.
1 steel stand-pipe, 10 feet by 120 feet and foundation for same.
Electric plant covering twenty 1,200-c. p. arc lamps and five hundred 16-c. p. incandescent lights, with 100-HP. direct connected automatic engine and 50-K-W. dynamo, etc.
Galvanized corrugated steel power house and foundations.

Bids will be received for furnishing any of the materials above, or for constructing any part of the work, or for furnishing everything and constructing the works complete; bids will also be received for payment to be made either in cash or in the bonds which are to be issued for the purpose of raising funds to construct the above plants.

No bid will be considered unless accompanied by a certified check for not less than 3% of the amount of the bid, provided no check be for less than $150; said check to be made payable to the order of the Treasurer of the Town of Scranton, Miss., to be forfeited in case the contractor fails to enter into the contract awarded him and file a satisfactory bond, within 10 days after notice has been given him that he has been awarded a contract.

Plans and specifications may be seen at the office of the Engineer, Robt. R. Zell, Godchaux Building, New Orleans, La., and specifications and blank forms of proposals may be obtained by addressing J. D. Clark, Mayor pro. tem., Scranton, Miss., to whom all proposals and other communications are to be addressed. The right is reserved to reject any or all bids.

W. W. FARNSWORTH, Mayor,
J. D. CLARK, Alderman and Mayor pro tem.,
J. A. MILLER, Alderman,
Water and Light Committee of the Town Council.
Scranton, Miss., July 31st, 1897. 31-2t

ARTESIAN WELL.

MELROSE PARK, ILL.

Sealed bids will be received at the office of the Village Clerk of the village of Melrose Park (Lake St. and 11th Ave.), Cook county, Ill., for constructing, and the furnishing of all materials for an artesian well. Specifications for said well may be obtained from said Village Clerk. Said bids must be in duplicate, the original addressed to said Village Clerk; must contain a certified check on some known responsible bank for $300.00, and the duplicate must be addressed to the President of the village of Melrose Park. The successful bidder will be required to furnish bonds for the faithful and prompt performance of the contract. The President and Board of Trustees of the village of Medrose Park reserve the right to reject any or all bids. All bids must be in by 7 o'clock p. m., Friday, Aug. 20, 1897. Payment for said well will be in cash on completion and acceptance thereof.

WILLIAM LEESEBERG,
32-1t Village Clerk.
Melrose Park, Cook Co., Ill., Aug. 9, 1897.

PROPOSALS FOR FURNISHING ASPHALT PAVING BLOCKS.—Office of the Commissioners, D. C.—Washington, D. C., Aug. 9, 1897.—Sealed proposals will be received at this office until 12 o'clock m., Aug. 19, 1897, for furnishing asphalt paving blocks to the District of Columbia. Specifications, blank forms of proposals and all necessary information may be obtained at this office. JOHN W. ROSS, JOHN B. WIGHT, WM. M. BLACK, Commissioners D. C. 32-1t

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